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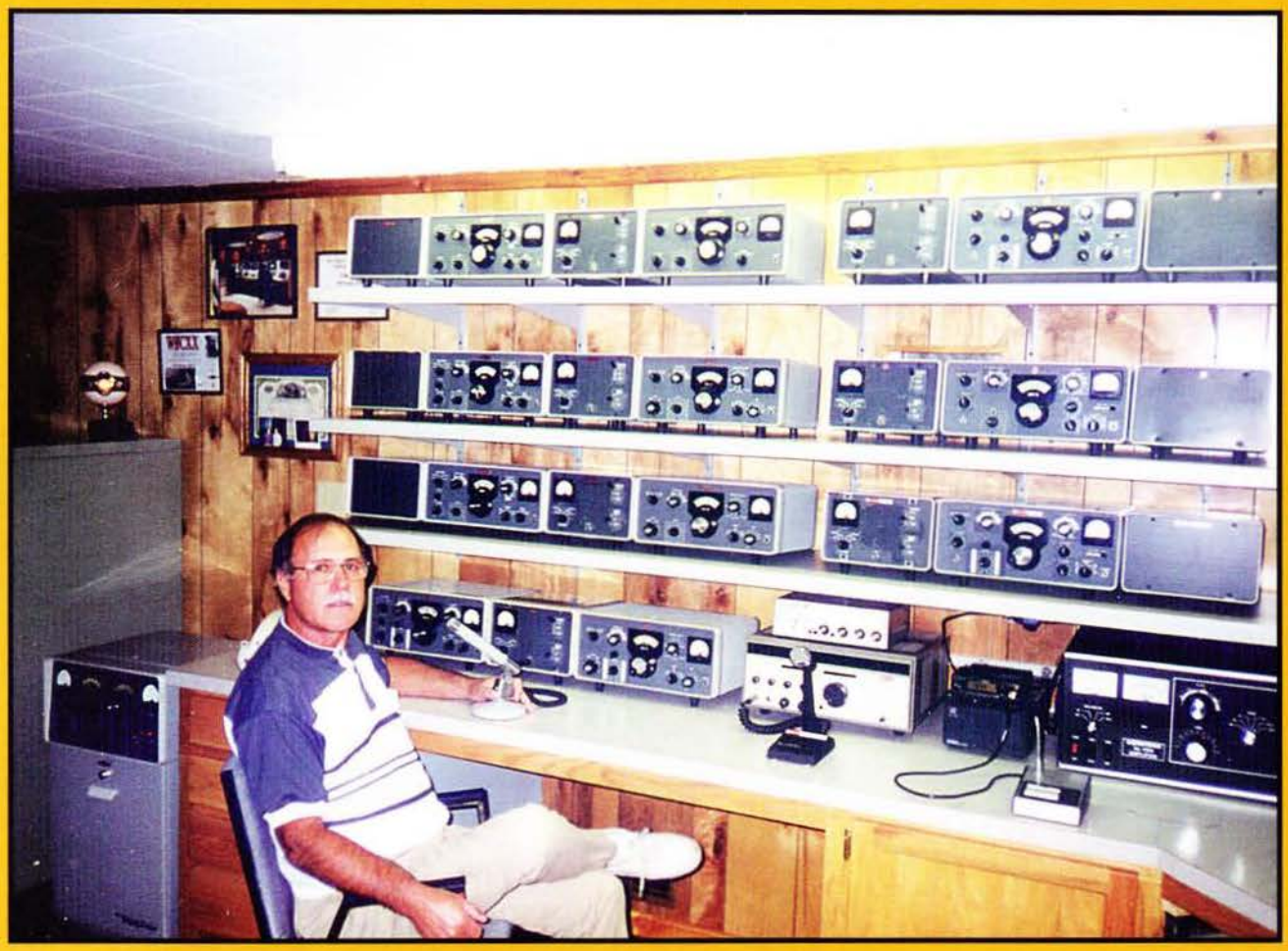

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QUARTER CENTURY WIRELESS ASSOCIATION, INC.

JOURNAL

Fall 1999/Vol. XLVIII No. 3

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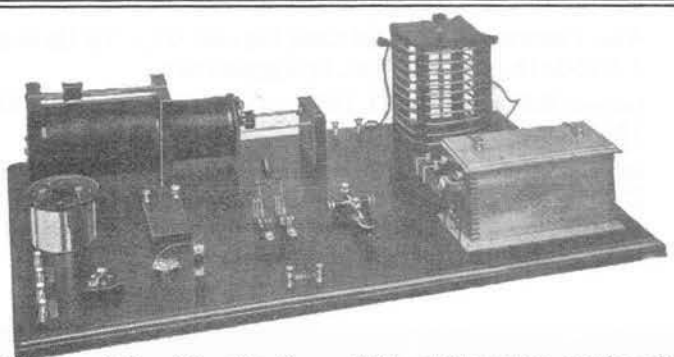
Cover: Bill Wheeler KØDEW is a man possessed - possessed with a desire to own Collins radios. And he does. Every model ever made and they all work too.



D29 Transmitting and Receiving Set, from old Duck Company catalog circa 1915. Specifications say the transmitting range is 10-17 miles while the receiving range is 300-1500 miles. A real deal for $49.50.

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THOSE WHO HAVE SERVED

Past Presidents

John DiBlasi, W2FX (SK)	1947 - 1964
Earl R. Thomas, W2MM (SK)	1965 - 1968
Clarence Seid, W2KW	1969 - 1971
Barry Goldwater, K7UGA (SK)	1972 - 1973
Frank A. Gunther, W2ALS (SK)	1974 - 1977
Harry S. Gartsman, W6ATC	1978 - 1981
Stuart Meyer, W2GHK (SK)	1982 - 1985
Leland Smith, W5KL	1986 - 1989
Harry Dannals, W2HD	1989 - 1994
Lew McCoy, W1ICP	1994 - 1996
John Kelleher, W4ZC	1996 - 1998

Executive Secretary/General Manager

Ralph Barber, W2ZM (SK)	1955 - 1964
Gus Gironda, W2JE (SK)	1965 - 1973
Ethel Smith, K4LMB (SK)	1974 - 1976
Ted Heithecker, W5EJ (SK)	1976 - 1991

The QCWA Journal

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The JOURNAL does not assume responsibility for unsolicited manuscripts. Subscription to the JOURNAL for nonmembers in the US is available for $20 per year. Contact the business office for subscription information. The JOURNAL is available free to blind paid-up members on audio cassette tape. For more information, contact Blanche Randles, W4GXZ (May 1-October 1), 44 Western Lane, Amherst, MA 01002 (October 1-May 1), 6002 N. Fremont, Tampa, FL 33604, 813-870-0867.

The Quarter Century Wireless Association

The Quarter Century Wireless Association, Inc. was founded December 5, 1947, as a non-commercial association of radio amateurs organized for the promotion of interest in Amateur Radio communication and experimentation, for the establishment and advancement of the radio art and of the public welfare.

QCWA is an incorporated association without capital stock chartered under the laws of the State of New York, and is a tax exempt 501(C)3 organization under the Internal Revenue Code of 1986.

Its affairs are governed by a President, Vice President, Secretary, Treasurer and a Board of Directors, whose voting members are elected every two years by the general membership.

In order to qualify for membership in QCWA one must have demonstrable proof of having been first licensed as an Amateur Radio operator at least 25 years prior to application for membership and must be currently licensed.

Membership inquiries and general correspondence should be addressed to the business office at 159 E. 16th Ave., Eugene, OR 97401-4017 USA. Telephone, 541-683-0987. Fax/BBS, 541-683-4181.

From the President

Gary R. Harrison, KØBC

I hope that everyone is gearing up for the QSO party. I promised to attempt to operate more this time (September 19) than the spring one. Look for me and the QCWA memorial station W2MM. Actually you will get more points and be much more likely to find W2MM!

We received some comments from a recent operating award winner about displaying your QCWA membership on your QSL card. As Richard Kaplan, WB2CUT, spent a lot of time (years) and effort to get the worked 100 members award, we should listen to his advice. We have several operating awards available for our members. Just let us know if you qualify for any of them. We can help you show off your QCWA membership also, as we have available for your purchase QCWA QSL cards.

Carolyn and I recently enjoyed the warm hospitality of the gang at Sioux City, IA. We had representatives from at least six Chapters at the QCWA luncheon at Hamboree 21 in Sioux City. The Board members and Officers like to visit with the members at hamfests. We also try to assist in manning and providing material to Chapters that have a hamfest table. Let us know when you are planning on "showing the banner" at your local hamfest and we will send some material out to you.

Well, they did it again! Central Oklahoma Chapter 63 (Gene K5DLE & group) won the 1998-recruiting contest. That makes it two in a row (all of the contests). As Gene says "you have got to ask them to join." He must be doing something right with his approach to potential recruits. We have an award in the process for both Gene and Chapter 63. I sure would like to see more competition for Gene and his group. Looks like we need a different type of contest. I am open for recruiting ideas. Thanks Gene Nailon, K5DLE and Chapter 63. Just don't quit now!

From the reports I have been receiving from Chapter 19 the St Louis QCWA Convention sounds like it is shaping up to be a nice affair. The banquet speaker will be NASA Astronaut Linda Godwin. The forums should be very interesting on both Friday and Saturday. The Convention will be in St Louis on September 24 & 25. The QCWA Board of Directors will be meeting during the Convention and we need your input for the future of QCWA. We are planning our Association's path into the new Century. I am looking forward to seeing old friends and meeting new ones in St Louis and I hope you are one of them.

Meet me in St. Louie, Louie

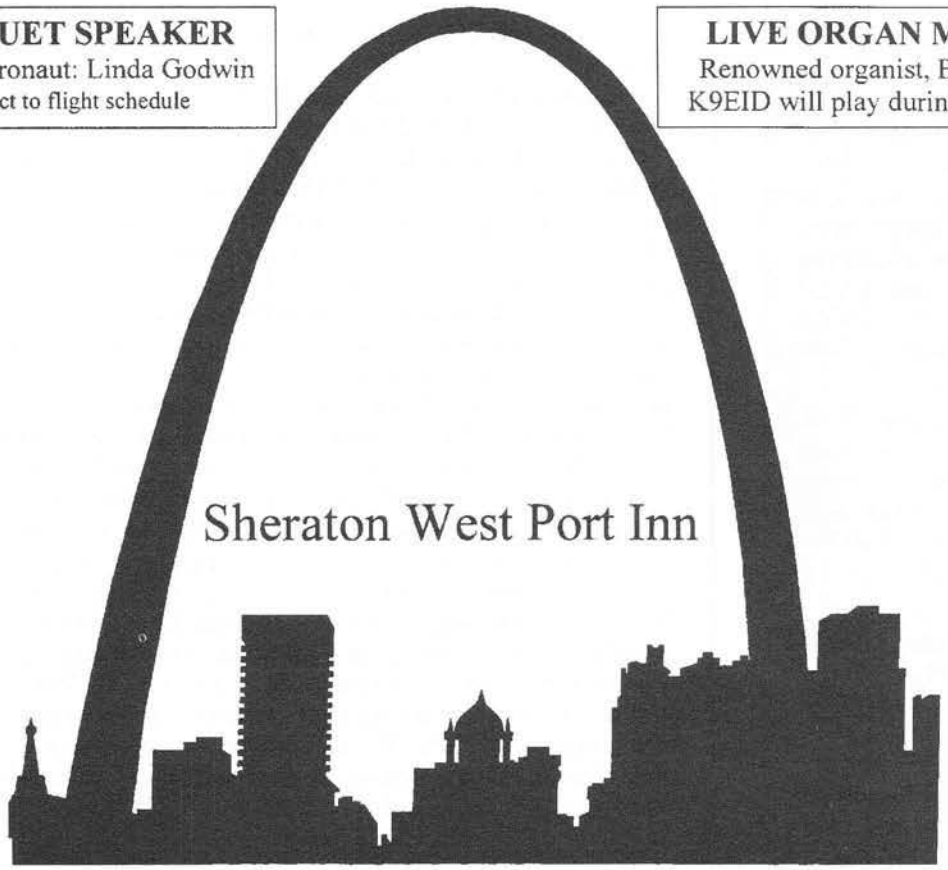
September 24 & 25, 1999

FORUMS

QCWA, President Gary Harrison, KØBC
ARRL, 1st VP, Steve Mendelsohn, W2ML
Digital Communications, Pete Eaton, WB9FLW
Audio Processing for the best signal on the band, Bob Heil, K9EID
Amateur Satellite Communications, former AMSAT Director, Roy Welch, WØSL
Interference Detection, Direction Finding, Transmitter Hunting, Mike Musick, NØQBF

BANQUET SPEAKER
NASA astronaut: Linda Godwin
Subject to flight schedule

LIVE ORGAN MUSIC
Renowned organist, Bob Heil, K9EID will play during banquet



1999 QCWA National Convention

Missouri Chapter 19 will "Show You St. Louis"

Convention Hotel There are two Sheraton Hotels in the West Port Plaza complex. All convention activities will take place at the beautiful Sheraton West Port Inn that overlooks the lake and the 150-foot high geyser fountain. There are lighted walking paths around the lake and complex for those who want to take a stroll. Ask for the QCWA special room rate of $89.00 per night. This rate also applies to the three days before and after the convention. Make your reservations directly with the Sheraton West Port Inn, 191 West Port Plaza, St. Louis, MO 63146, 314-878-1500.

West Port Plaza The plaza contains 20 restaurants ranging from "fast food" to some of the best steaks and seafood in the area. American, Japanese, Italian, Irish, German and Continental cuisine is available within walking distance. The plaza is a little West and South of Lambert St. Louis International airport and free shuttle service is available.

The Big Picture For your planning purposes here is an overview of the agenda:
Thursday: Directors meet, Convention registration begins, Hospitality suite opens.
Friday: Convention Forums, Tours, Hospitality suite, Get acquainted party with cash bar.
Saturday: Convention Forums, Tours, Hospitality suite, Banquet, Awards, Guest speaker

Tours Thursday: Shopping and lunch at the Galleria for Director's spouses.
Friday afternoon: Sit-down lunch, guided tour of St. Louis, stop at the Gateway to the West museum and ride to the top of the arch (optional) for a spectacular view of the city.
Saturday afternoon: Lunch (on your own) and shopping at the historic train station.

Registration Register now by completing the form below. Registration fee includes all forums, morning and afternoon refreshments, Friday evening "Get Acquainted" party (cash bar for drinks) and hospitality suite. There is no convention registration charge for a non-member spouse or guest.

1999 QCWA National Convention, September 24 & 25, St. Louis, MO

Name _____ Call _____ QCWA # _____

Spouse/Guest Name _____ Call _____ QCWA # _____

Address _____

City _____ State _____ Zip _____

	Number	Cost Each	Amount
Member registration		$15.00	
Non-member Spouse/Guest		Free	No charge
Banquet Dinner: Chicken Roulade		$25.00	
Banquet Dinner: Filet Mignon		$30.00	
Friday lunch and guided tour of city		$32.00	
Ride to the top of the Arch on tour		$6.00	
Sat. trip to Historic Train Station		$12.25	
		Total	

Please make checks payable to: QCWA National 99 and mail to the Registration Chair:
Mr. Russ Poe, WAØRWF, 1717 Janet Place, Kirkwood, MO 63122
Questions? Contact chairman: Roger H Volk, KØGOB, e-mail: rvolk@gatewaygrp.com
See QCWA web site at www.qcwa.org for maps and more details

Gen. Manager's Report

Jim Walsh, W7LVN

This issue I would like to call attention to a problem in Chapters collecting National Dues. This develops as a BOD topic every once in awhile and has been discussed thoroughly. There are those that think it would be great if the Chapters collected the National Dues, and were able to keep a small amount before they transmit it to the Headquarters office. In practice it just does not work out. What happens is that someone either pays for a new membership, or a renewal, and gives the chapter representative a check for the proper amount. It then gets buried in the chapter paper work and never gets transmitted to headquarters. We then get a call about someone being delinquent and know nothing about the transaction having taken place. Although everyone is well intentioned, it just does not work out very well. Please see that applications are transmitted to headquarters promptly; probably best of all have the applicant mail them directly. Right now, in one case, there are several new applications in one person's hands, the money is somewhere else and we, after several weeks, have not received the paperwork.

Hamventions are in action this time of year and a number of "CARE" packages have been sent to people responsible for the QCWA representation at those events. Reactions have been great. A lot of new friends have been made, some new applications have been developed and QCWA has been a presence at those events. Keep it up and let us know in advance so that we can ship the "CARE" package and have enough time for it to arrive at your location.

Have a great year and don't forget to check into the National SSB net on Sundays at 2000 Zulu.

Jim Walsh, W7LVN

Memorial Scholarship Fund Donations

NAME	HONORING
Chapter#32	K4HWS
Chapter #32	W9ZSW
Chapter #32	WA4JVR
Chapter #10	K8GXV
Chapter #89	WA4ECG, W4HEV, W4DOW & KB2MMP
MYRON T KELLEY	W4VQE
HEART OF AMERICA RADIO CL	WA0GKZ
Chapter #112	W1EED, W1EOF & W1LMU
Chapter #181	
Chapter #84	LEO MEYERSON FUND
Chapter #63	W5HXL
SHERRI T KAY	W4VUA
Chapter #183	K1BFG
Chapter #203	W3GA
Chapter #77	Chapter #77 SILENT KEYS
JOHN J KELLEHER	JACOBSON-KELLEHER SCHOLARSHIP
Chapter #87	K7EUA
Chapter #89	W4EPL,WA4ISM, W4PNZ.W4EGH
Chapter #89	W4TWW, W4HDO & W4HEV
Chapter #188	W6GBF
Chapter #119	
Chapter #202	
Chapter #64	W5BFN
Chapter #64	W5SQM

Just sittin here by the picket fence

Left to right: William Thiele VE6ARG and John McKinney WØAP.

Corrections

In the last issue of the QCWA Journal there were two errors for which we apologize to the individuals affected.

The first is the listing if W1FXS, Richard B Edwards as a Silent Key. Richard called and advised that he was still active and had really enjoyed hearing from a lot of old friends.

The second error was a glitch in the name of an individual. The listing was listed as "PACKAS, Frances F, call K6JSN". One of our earnest readers called and the listing should have been "Thomas, Frances F K6JSN".

PAY NO INCOME TAX WHEN SELLING YOUR INVESTMENTS AT A PROFIT

By William N. Goodman, CPA K3ANS

Do you have land, buildings, stocks, or a business to sell, but do not want to pay taxes on the capital gain? The tax rates could be 28% Federal plus state taxes. Then, would you like to have a Federal income tax deduction on part of the sales price? Would you like to avoid paying Federal estate tax (from 37% to 35%) and state inheritance tax on the proceeds? You can retain the income from some of the invested proceeds. Despite all of these tax breaks, your family can still benefit from the sales proceeds!

You can eat your cake and still have it! Read on for details.

Our nation's laws recognize the role of charitable organizations in meeting many of the needs and demands of our society. Because of the importance and expense of the challenge to meet these needs, the Federal government has provided us with incentives to make charitable gift contributions. Most donors are aware of the annual charitable gifts, which is a very simple process to understand. The donor writes a check to a specific charity. In return, the donor receives a Federal income tax deduction for the same amount as the gift. Very simple, very easy to understand, and a relatively easy decision to make for the donor. However, the making of appropriate, significant charitable contributions through a planned giving arrangement can be much more attractive. But it is a complex sophisticated process.

One of the more popular arrangements is the Charitable Remainder Unitrust, which is considered by many tax and financial planners to be one of the greatest retirement and estate planning tools available.

One of the more popular arrangements is the Charitable Remainder Unitrust, which is considered by many tax and financial planners to be one of the greatest retirement and estate planning tools available. Essentially, a Charitable Remainder Unitrust allows a donor to sell low-yielding assets (i.e. stock, a business, and real estate) and reinvest the sale proceeds into income producing securities without paying any capital gain income tax on the sale. The donor receives an immediate Federal income tax deduction on a portion of the fair market value of the gift and will retain an income stream for life or over a term of years. The income stream can be passed on to a spouse; and at the death of the last income beneficiary, the assets in the trust pass on to a preselected charity. After the gift is made to the charitable trust, the name of the charity can be changed during the donor's life.

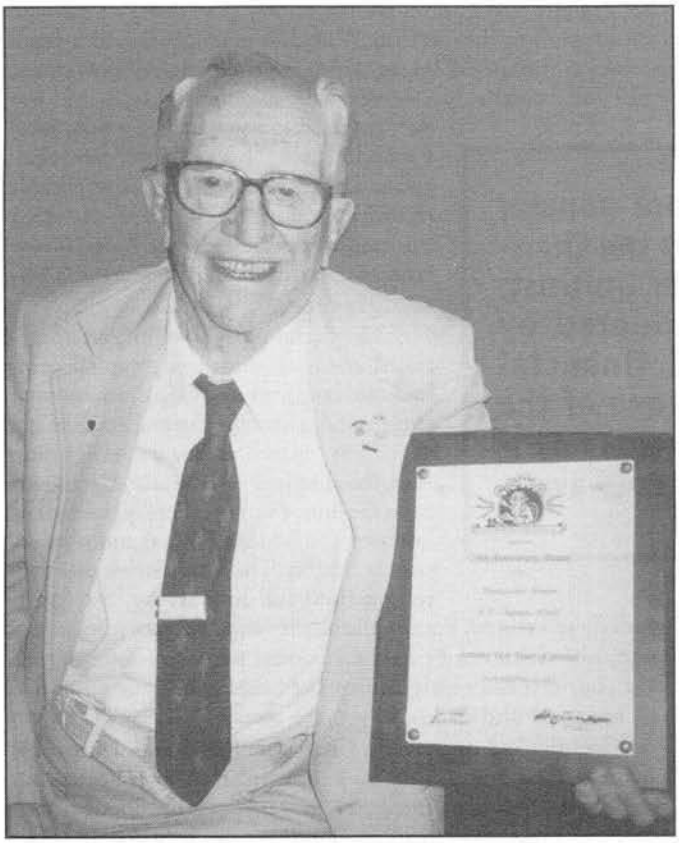
It may appear that the only losers in this case would be the heirs who would have inherited the assets at full market value, also without paying taxes on the capital gain. But, we have an easy solution to this problem. The donor simply invests a small portion of the annual income from the trust into an investment grade life insurance policy, which at the donor's death will pay the heir(s) a sum equal to the amount passing on to charity. It's a win, win, win situation. Uncle Sam wins because eligible charities are funded by donors reducing the funding demands on the Federal Government, saving taxes. So the I.R.S. encourages these plans.

The donor wins by selling an appreciated asset without paying capital gains income tax, and receiving an income stream and a current Federal income tax deduction, as well as instant recognition from the charity. Plus, the asset is removed from the donor's estate, thereby potentially lowering the donor's Federal and state estate tax liability. The heirs win because they receive their full inheritance, tax free if properly structured. Finally, the charity wins because it receives a large asset which can be used for current purposes. You can support your favorite charity, enjoy the benefits of your gift while you are active and alive, and yet save taxes.

Creating and operating a Charitable Remainder Unitrust is not something you can do on your own. It is complicated but worthwhile. If you are interested in learning more about Charitable Remainder Unitrrusts and how they can help you and your favorite charities, please contact William N. Goodman,CPA at (610) 253-2745 or 1-800-829-2745. We have the system already designed and in use with many other donors.

Note: This material was received from Bill Goodman, K3ANS and he developed it in the course of his business and wanted to share with our members. He is a QCWA Life member, Past President of Chapter 17. He was first licensed in 1957 and is an Extra Class amateur. He is active in DXing and CW operation. He reminds us that our people will have to use local CPAs and their own attorneys in this planning.

75-year Awards



Robert Vork Chapman W1QV

WIQV RECEIVES 75-YEAR AWARD

In a special ceremony at the annual meeting of Nutmeg Chapter No. 149, held on May 8, 1999, Robert Vork Chapman W1QV was presented a special plaque in honor of his 75 years of service as an Amateur Radio Operator.

Former QCWA DIRECTOR JOHN HUNTOON W1RW, who is also former CEO of the ARRL, made the presentation. His very appropriate remarks are printed as follows:

It is indeed an honor, on behalf of National Headquarters. QCWA, to present the 75-year service award to that distinguished amateur and member of our Chapter, Robert York Chapman W1QV.

I have known Bob Chapman for some 55 years, from the days he organized hamfests at the Poquonnock fire house - the days when such meetings were real hamfests, and. not primarily flea markets. He is a real amateur from the old school. While at Stonington high, he studied for and received his ham ticket; joined ARRL the next year and became an Official Relay Station, an appointment he still holds. A very active amateur, he is a member of the A-1 Operator Club, and was the first U.S. ham to work Belgium. His DXCC total is 343 countries; he is a member of OOTC, and has been a QCWA member since 1964.

W1QV had a distinguished career in the field of noise silencing, specializing in our underwater military service. He retired in 1975 as Director, Acoustical Research and Development, U. S. Submarine Service at Groton. He received the Navy Superior Civilian Award for his contributions to the "silent service."

In 1965 he was elected Director of ARRL's New England Division, and served ten years. He was one of my 16 bosses, and though we sometimes disagreed, my respect for him grew. This is particularly true in the case of the ARRL Foundation; the concept was his, as well as the determination to see its birth. He had lots of opposition, including some from the League's administration (I know, I was the administration). And so, I salute you, Bob, for your vision and perseverance which brought the Foundation to life.

Few people know that without W1QV, there may never have been a CQ Magazine. In 1945 John Potts, an engineer, teamed up with the Cowan publishing people to buy rights to the old West Coast "Radio" magazine, planning to make it an engineering journal. For advice, Potts got in touch with W1QV, who convinced the new owners that the magazine had a ham history and should stay that way; he was advisory editor for some years.

I have before me an e-mail from Dave Sumner, K1ZZ, Executive Vice President of ARRL, who regretfully was unable to join us today, and which describes W1QV so vividly it deserves to be read:

Robert York Chapman occupies a very special place in my thoughts. Let me begin on a personal note. When I was just a kid growing up in Norwich in the mid 1960s, WlQV was already the Grand Old Man of amateur radio in southeastern Connecticut. When I attended my first Tri-City Hamfest, he already had been the hamfest chairman for more years than I'd been alive. I won my first copy of the ARRL Handbook at the Tri-City hamfest. I passed my Extra there in 1965, thanks to Robert's having cajoled the FCC into sending an examiner down from Boston. I still remember how privileged I felt to sign W1QV/l on Field Day.

"Robert's service as an ARRL director began in 1965. He came on the Board to make a difference, and make a difference he did. From his ten years of service as the New England Division Director, three achievements immediately come to mind: ARRL Life Membership, the Five-Band DX Century Club award for contacting and confirming 100 countries in each of five amateur bands, and the ARRL Foundation. Today there are almost 20,000 Life Members, nearly 5,000 of the "impossible" 5BDXCC have been issued, and the League's Foundation has $2 million in assets — all the result of Robert's vision.

"There is no radio amateur who I hold in higher esteem than Robert York Chapman, W1QV. It is a privilege to join my fellow QCWA members in honoring him on this day."

Now if Bob will come forward... I am proud to hand you, sir, the National QCWA award for 75 years of distinguished service to amateur radio.

The late Boyd Donegan W5IF left), received his 75-year QCWA Plaque from Jerrel Jones W5TUU, President of Chapter 41, at the May 1999 meeting with xyl Betty Donegan proudly sharing the moment.

ANOTHER QUIZ
Teenagers Then, QCWA Officials Now
WHO ARE THEY?

Answers on Page 53

RULEs & REGs

by Jack Kelleher, W4ZC, 612 Ednor Rd., Silver Spring, MD 20905

This column presents a summary of recent significant actions in the area of domestic and, as appropriate, international Rules and Regulations.

These are one-paragraph summaries of notable Rules and Regulations items which have appeared since the deadlne for the Summer '99 Journal. In each case the source is identified, and we suggest that you consult them for additional information

NO QUESTION POOL CHANGES—YET (From ARRL Ltr V18 #26 6/25/99)

The Amateur Radio examination question pools remain in a holding pattern pending an announcement from the FCC on license restructuring. No question pools or questions will change anytime soon for any license class.

FCC SETS NEW VANITY FEE (From ARRL Ltr V18 #26 6/25/99)

The fee to apply for an Amateur Radio vanity call sign will increase from $13 to $14 starting September 10, 1999. The FCC continues to receive in excess of 1000 vanity applications per month. During May, the FCC got 1165 vanity applications, all but 141 of them filed electronically.

SPECTRUM PROTECTION BILL ADDS CO-SPONSORS (From ARRL Ltr V18 #26 6/25/99)

There are now 76 cosponsors for The Amateur Radio Spectrum Protection Act, HR 783. The measure would require the FCC to provide "equivalent replacement spectrum" should the agency reallocate any Amateur Radio or Amateur Satellite service allocations to another service. HR 783 still must make it out of the House Telecommunications Subcommittee and its parent House Commerce Committee before it goes to the House floor. Hams wishing to help the effort to move HR 783 can do so by writing to their member of Congress

FCC RAISES CONDUCTION LIMITS FOR RF LIGHTING DEVICES (From ARRL Ltr V18 #26 6/25/99)

The FCC has released a First Report and Order in ET Docket 98-42 in which it raises the conduction limits for consumer equipment RF lighting devices operating in the 2.51-3.0 MHz band from 250 uV to 3,000 uV.

MULTIPLE CALL SIGN HOLDERS COULD FACE FINES (From ARRL Ltr V18 #25, 6/18/99)

The FCC's Riley Hollingsworth, K4ZDH, says the Commission may have to resort to fines to curb the practice of hoarding multiple club station call signs. "The reason we're concerned about this is that we consider it an abuse of our licensing processes," said Hollingsworth,

FCC SAYS HAMS NEXT IN LINE FOR ULS (From ARRL Ltr V18 #25, 6/18/99)

The FCC says the Amateur Service is the next in line to be converted to the Universal Licensing System. Amateur Radio is scheduled for ULS "deployment" in August. The FCC has adopted a Report and Order to enable public access to application and licensing information in the ULS via the Internet. The FCC says its decision will "significantly enhance the ability of the public to access public record information regarding wireless licensees, at a reduced cost."

EASY OPERATION OVERSEAS NOW A REALITY FOR US HAMS (From ARRL Ltr v18, #24, 6/11/99)

Operating in most of Europe and in some South American countries just got much easier for US hams. The FCC has implemented the European Conference of Postal and Telecommunications Administrations (CEPT) Recommendation T/R 61-01 that eliminates the need to obtain a special license or permit for US hams wishing to operate for brief visits to most European countries. In addition, the ARRL has begun issuing International Amateur Radio Permits to simplify operation by US hams in certain South American countries. Complete information on CEPT and IARP operation, including an IARP application form and a copy of the FCC Public Notice on CEPT, is available from the International Operating page on ARRL Web, http://www.arrl.org/field/regulations/io/.

MAINE PRB-1 BILL SIGNED BY GOVERNOR (From ARRL Ltr v18 #23 6/11/99)

Maine Gov. Angus King has signed the latest legislation to incorporate the essence of the limited federal preemption known as PRB-1 into state law, but with a

twist. Because of an amendment added in the Maine House, the final version was reworded slightly to automatically include not just PRB-1 but any future FCC regulation or policy affecting local regulation of antennas.

UK ANNOUNCES LICENSING CHANGES (From ARRL Ltr v18 #23 6/11/99)

The Radio Society of Great Britain and the Radio communications Agency of the United Kingdom have announced expanded privileges for Novices in the UK. In addition, a new license class is in the works offering full HF at low power with a 5-WPM Morse code test. Details may be found at http://www.rsgb.org/news/extra3.htm. The rules governing amateur operating in the UK are at http://www.open.gov.uk/radiocom.

DAYTON HAMVENTION 1999

The W5YI Report for June 1 contains an excellent Report of the activity at this year's Hamvention at Dayton; which to most readers is old news. However, we thought we would mention it for the few who may be interested.

FCC'S HOLLINGSWORTH QUESTIONS LIBERTY NET (From ARRL ltr V18 #22 5/28/99)

The FCC has asked a net control station of the Liberty Net on 3950 kHz to justify the net's use of Amateur Radio frequencies. Via Certified Mail May 7 to Extra class licensee Victor A. Misek, W1WCR, FCC Legal Adviser Riley Hollingsworth said monitoring on May 1 indicated that Misek's station and members of the group for which he was acting as net control "began transmitting on top of existing Amateur communications that were already in progress." Hollingsworth said that such operation "is considered deliberate interference and cannot be tolerated on the Amateur frequencies."

LEAGUE URGES FCC TO EXPEDITE RESTRUCTURING (ARRL Bulletin 35, 5/20/99)

The ARRL has urged the FCC to act "without delay" on Amateur Radio restructuring and has suggested that the Commission adopt the League's restructuring plan as its own in order to speed up the process. In a letter May 19 to the FCC, the League says that the state of limbo created by the current FCC Amateur Radio restructuring proceeding, WT Docket 98-143, is stifling Amateur Radio's growth, as current and prospective hams await an FCC Report and Order.

FCC DROPS AMATEUR ENFORCEMENT LINE IN FAVOR OF E-MAIL, US MAIL (ARRL ltr v18 #18 4-30-99)

The FCC says it now wants Amateur Radio enforcement complaints via e-mail or US mail and has discontinued its Amateur Enforcement Line (202-418-1184). The FCC this week requested that amateur-related complaints be sent via e-mail to fccham@fcc.gov or via the US Postal Service to Compliance & Information Bureau, ATTN Amateur Radio Complaints, 1270 Fairfield Rd, Gettysburg, PA 17325. The FCC said this week that complaints already filed on the telephone service will be acted upon, and anyone who has left a message will receive a return call from Commission staff

FCC SAYS NO TO EXPANDING SPECIAL EVENT CALL SIGN PROGRAM (ARRL Ltr v18 #18 4-30-99)

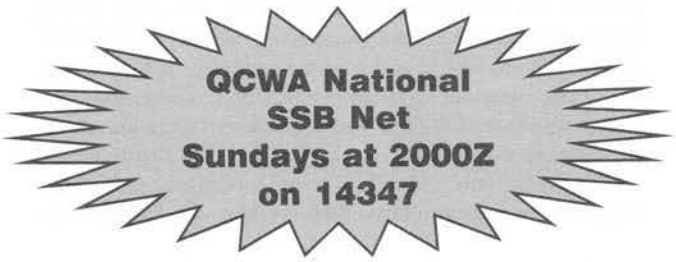
The FCC has denied the ARRL's petition (submitted May 18, 1998) that sought to expand the Amateur Radio special event call sign program. The League had asked the FCC to amend its rules to permit the use of special event call sign formats that go beyond the current one-by-one (1x1) format now authorized. The petition also had asked the Commission to include within the special event program call signs denoting US territories and possessions having no mailing address.

KENNARD: NO INTERNET REGULATION

FCC chairman William Kennard has taken on another challenge. That of convincing the public that his agency is not about to begin regulating the Internet. The Federal Communications Commission was bombarded with e-mail from computer users fearing government regulation. On Thursday, March 11th, Kennard tried to dispel that notion stating that as long as he is chairman, the Federal Communications Commission will not regulate the Internet.

MORE FCC REGULATORY ACTIVITY (ARN 1127 3-19-99)

The FCC has written nearly two dozen Amateur Radio licensees whose 20 meter SSB signals were said to be "unusually wide, overpowered, or both." The FCC's Riley Hollingsworth did not identify the specific licensees involved, but he said some of them were believed to be mobile operators.



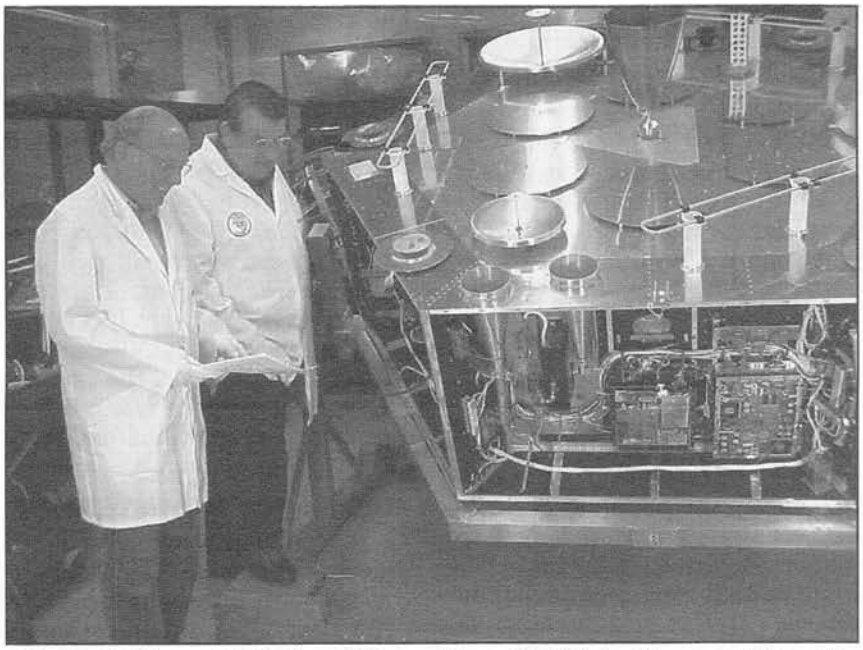
Amateur Radio Satellite News

by Keith Pugh, W5IU, Vice President, Operations, AMSAT-NA,
3525 Winifred Dr., Ft. Worth, TX 76133

Phase 3D's Last Days on Earth, Getting Ready for the "New Bird", and Satellite Status Report

INTRODUCTION

At the Dayton Hamvention in May a very encouraging announcement was made regarding the long awaited launch of Phase 3D. The text of that announcement is printed below. Since that time, the "New Bird" has undergone its' final preparations for the launch. It's now time to think about your capabilities to use the "New Bird" when it becomes operational. Finally, highlights of current satellite activity.



Dr. Karl Meinzer, DJ4ZC, and Werner Haas, DJ5KQ, looking over Phase 3D.

PHASE 3D'S Last Days on Earth

DAYTON, OHIO (AMSAT News Service) In a letter dated May 14, 1999 addressed to Dayton Hamvention attendees here, Dr. Karl Meinzer, DJ4ZC, Phase 3D Project Leader and AMSAT-DL President, shed new light on the current launch status of the Phase 3-D International Satellite. Dr. Meinzer wrote:

May 14, 1999

Greetings! As you well know, I very much have been looking forward to joining you for the 1999 Dayton Hamvention. Unfortunately, recent developments regarding our launch situation for Phase 3-D have now made it necessary that I remain here in Germany during your event this upcoming weekend. As many of you know, AMSAT-DL is the principal agency responsible for securing a safe and affordable launch for Phase 3-D. Since this project began, we had secured such a launch opportunity on one of the ARIANE 5 test flights, which were conducted under the control of the European Space agency (ESA). Unfortunately, this launch agreement for P3-D with ESA did not work out, essentially due to the failure of the first ARIANE 5 flight and the resulting aftermath. Since ESA is not conducting such flights anymore, our team and I have been working very hard over the past year or so to find a replacement launch. We have been patiently negotiating with a number of different launch agencies, and it looks now that this work is starting to pay off as it is beginning to yield results.

I am pleased to report to you that we are currently in the final phase of working out the details of an agreement for the launch of Phase 3-D with one of these launch agencies. At this point, I am very optimistic and I believe this launch agency is genuinely working very hard toward providing us a launch for P3-D. I am also very hopeful that in the following weeks a launch contract can be closed which contains conditions we can meet. The agency has now identified some launches over the next year or so, which have enough performance margins to allow the inclusion of P3-D in addition to the main payload. The launcher business these days has become extremely competitive, and it is has become nearly impossible for launch agencies to fix their launch-plan for more than half a year ahead.

Thus, even after our contract is closed, we will remain a "stand-by passenger". However, judging from the presently known plans, they could...and I emphasize the word could...lead to a launch of our satellite as early as of October this year. Of course, this all assumes that the remaining open details of our interface with their launch vehicle can be successfully worked out and that we do not run into some last-minute problems with our contract.

Needless to say, I am delighted with this turn of events. My only remaining wish is that I could be there in Dayton to share them with you in person. Please accept my sincere best wishes for a productive AMSAT forum at Hamvention and my thanks for your continued patience and strong support of our efforts.

73,

—signed—
Dr. Karl Meinzer, DJ4ZC AMSAT-DL President and Phase 3-D Project Leader

Both before and after this announcement the AMSAT Lab in Orlando, FL, has been a "Bee Hive" of activity this spring and summer. Minor corrections were made for problems discovered during thermal - vacuum testing last fall. Modules received their final coatings and configuration checks prior the vibration testing. All systems received final integration checks and the satellite was moved outside for "On-the-Air" testing of all RF links through the flight antennas. Propulsion systems were exercised to the extent possible on the ground. Release mechanisms were checked out, and finally, like a big tire, it was "Spin Balanced" again in its' final state so that it will be "ready to roll." As this is being written (20 July 1999), Phase 3D is at the vibration test facility at Goddard Space Flight Center in Greenbelt, MD, undergoing vibration testing. Before this is published, Phase 3D will again return to Orlando, FL, to be prepared for shipment to a launch site. Current plans are for it to be at the launch site by 15 August 1999. Once at the launch site, Phase 3D will be held in readiness for the first available ride.

As mentioned in the letter, that ride could be as early as October 1999. I must caution everyone that the launch could also be later than October 1999. It should be pointed out that unforeseen problems could develop both before and after launch which could render our "Proud Bird" less capable than planned. As eager as we all are for a successful launch and operation, we must be cautious with our optimism until our "Proud Bird" is in orbit and fully checked out.

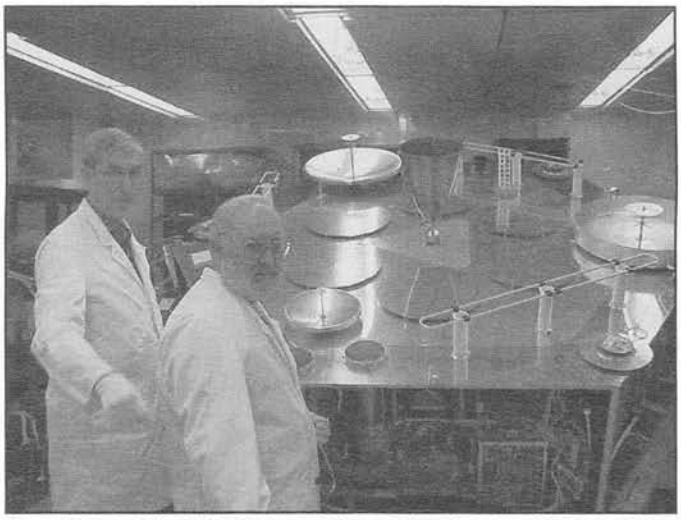
Getting Ready for the "New Bird"

Once successfully in orbit, Phase 3D will be the greatest new resource for Amateur Radio to be made available in many years. In particular, its' potential for expansion of the Amateur Radio Microwave activity is phenomenal. It has uplinks and/or downlinks on every Amateur Radio Space Frequency Allocation from 15 meters to 24 GHz. Due to the size of the satellite, it has at least 10 to 15 dB better link margins than any other satellite so far. What does this mean to you? You can get by with less hardware on the ground. Think small! Antennas for the Microwaves need not be large. A two or three foot dish could be the largest antenna needed for this "Bird." Think in terms of up or down conversion at the antenna to get to the final uplinks and downlinks. All you need in the shack are two tunable "IF strips" that can take many forms. Of course, you will also want your trusty computer for orbital predictions, data handling, and station control.

Remember, now is the time to plan. It is not necessary to put out great amounts of money at this time (or ever) for working this "Bird." Only the antennas, up-converters, and down-converters are somewhat (but not totally) limited to this "Bird." Everything else can (and should) be used on other satellites. If you still have a station equipped for AO-10 or AO-13, you can plan to use it "as is" on the new "Bird" when operating in modes U/V and V/U. If you worked AO-13 modes L and S, you are already set for Phase 3D mode L/S

Satellite Status Report

Since the last report Sunsat, SO-35, has been partially opened up the users. Initially, it has been running mode U/V (B) with a very restricted power budget. It is easy to get into and very strong on the downlink. H/Ts should work well. Later in the period,



Lou McFaddin, W5DID, and Stan Wood, WA4NFY, looking over Phase 3D.

SO-36 was launched. This is another digital "Bird;" however, it has analog capabilities also. It has not been released yet.

The "Sick List" includes RS-16, DO-17, WO-18, KO-23, IO-26, GO-32, and SO-33. These "Birds" have not been active for sometime. It is still possible that some of these could surprise us so don't give up hope.

Summary

By the time you read this, it is possible that Phase 3D could be in orbit. Think about this and what this means to your satellite activity, plan your updated station, and don't give up the farm yet. See you on the "Birds."

Keith Pugh, W5IU
AMSAT VP of Operations

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Editor's Corner

Well hello, we meet again. I sincerely hope all of you managed to get through the last three months without getting scorched. Here in Florida, it was pleasant except for a few weeks hanging around in the 90's. Compared to some other parts of the country, it was pleasant in Florida.

Hopefully we give you another hot issue of the Journal. We spruced the cover a bit so you could see it coming a mile away. We consolidated the production efforts for the Journal so that all preparation, printing and mailing will be done in Melbourne Florida. It will improve the overall efficiency of producing the Journal with all operations in one location.

As you will see, we have another quiz of the photograph identification type. The Journal appreciates members making an effort to dig out old photos to use for the quizzes. This one is tough. So I will give you a hint. You can rule out Jimmy Stewart and Rita Hayworth. Hope that helps a little. The handsome gentleman in the picture was the contributor of the photos.

I guess the memories of April 15th triggered some of our financially oriented members. We have two financial articles this month; Bill Goodman K3ANS tells us how to Pay No Income Tax while Arch Doty W7QCD elaborates on how the QCWA Grows up Financially.

Ed Lawrence WA5SWD teaches us how to build a rainfall-rate indicator. Don't miss Bill Wheeler's KØDEW explanation of his obsession for Collin's products. You see his magnificent shack featured on the front cover. Bob Buus W2OD was kind enough to give us a heads up of some Special Event stations celebrating the 100th anniversary of the first practical wireless transmissions in America. One of our QCWA members was inducted into the Aviation Hall of Fame in Wisconsin. Larry McCalvry WA9JMO wrote a nice article of her achievements both in the air and on the air.

The rules and worksheets for the 43rd Annual QCWA QSO Party are found on page 44.

Pull up a chair, sit back, relax and enjoy the latest read of the QCWA Journal. By the next issue, we will be complaining about the cold weather, Christmas shopping and speculating whether the world will end at midnight December 31. You know, Y2K and all that. See ya next time around.

Old men & Smokers from Bill Loucks VE3AR

Dear Gerry,

I disagree completely with the comments by Wes W9ZXX, in the letter page of the Summer 1999 Journal.

As you point out, the logo has a long history and is recognized around the world. Furthermore, there comes an age when stopping smoking may not be indicated. Recently I saw my lung specialist who has been keeping an eye on me for several years (I now am age 78). After tests he proclaimed that my lungs were in better shape than ever. For 60 years, I have been smoking at the rate of 50 cigarettes a day. The doctor concluded his consultation by saying "I give you permission to smoke".

What do you say to that?

Sincerely Bill, VE3AR

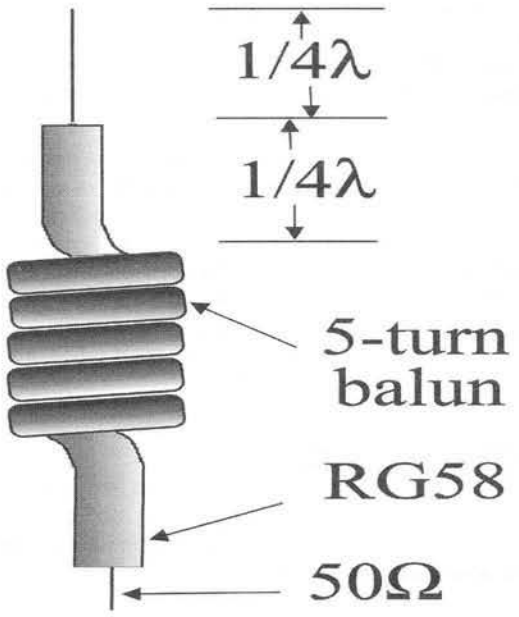
Dear Bill - *I hate reaching into hornet's nests and the smoking issue is one of them. However when I reach into the hornet's nest, I smoke one of my favorite cigars to keep the bees away. I guess I could be offended since the logo shows a pipe; not a cigar. Let's just all be friends and fret over CW, amateur radio, QSO parties and that sort of stuff? //ger*

Re. No Muss - No Fuss 'n Cheap 2-meter Antenna from Wayne Cooper AG4AR

Dear Editor,

From the questions that I have been receiving, there is some confusion for the lack of fractions in the 1/4 and 1/2 wave reference, and the balun not being shown as part of the transmission line. The sketch should clear up the problem.

73, Wayne Cooper AG4R (ag4r@erols.com)



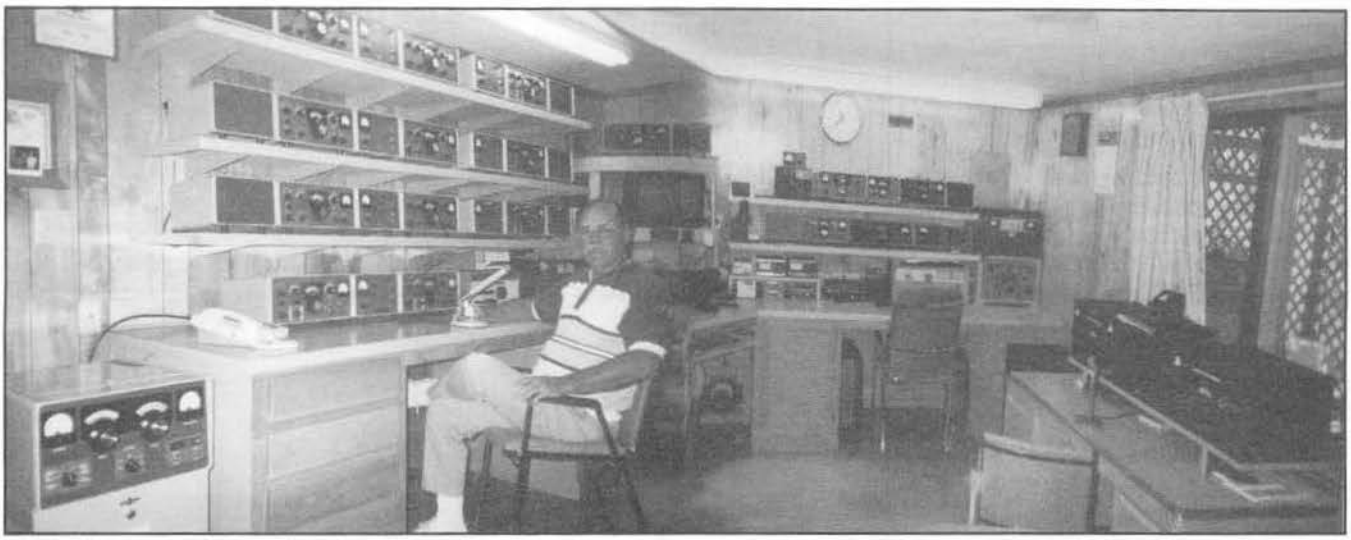
DREAMS OF YOUTH COME TRUE

by Bill Wheeler KØDEW

My time for introduction to amateur radio and later the acquisition of a Novice license could not have happened at a better time in our history. Those of us belonging to the QCWA that were licensed during the mid nineteen fifties did so during the golden age of amateur radio. World Was II was over. SSB was on the horizon, surplus was king, and several new companies were beginning to manufacture ham equipment. To a young man of junior high age, the pages of CQ and QST magazines were filled with pictorial images of mystical boxes. These magical boxes were covered with knobs and meters, they were to be studied and pondered over with great care. Some boxes were large, some were small, and some were in between, but with the exception of a Heathkit AT-l and Hallicrafters S-38C, most were outside the purchasing powers of KNØDEW.

It did not take an abundant amount of knowledge and skill in electronic theory to realize there was more to these radio boxes than size and price. This youthful operator's attention was repeatedly drawn to a company named Collins Radio. They were faithfully found on the first few pages of both CQ and QST, their ads were just as dependable as the waning of the moon, once per month without failure. 32V-3. 75A-3, and KW-l, these appeared to be the royalty of AM. Then the KWS-l and 75A-4 started appearing in the black and white ads, these boxes must be on the cutting edge of this new thing called SSB. To a fledging amateur, it was difficult to understand that these radios were actually manufactured for mortal man. This place called Cedar Rapids, Iowa surely was a mythical spot just like the fabled city of Oz.

Then in November 1958, in full and living color, was a two-page ad in the ham magazines introducing the S-Line. This was when I took the pledge to someday own this equipment. The dreams of youth were not dimmed by the passing of time and someplace in a remote part of my mind I could always see myself at that desk full of Collins S-Line. I was always working the four corners of the known world, they were lined up to tell me of the wonderful quality in the S9 plus signal my S-line was producing. I could feel the quality of the equipment in my dreams, I was in command of all frequencies.



Bill Wheeler KØDEW seated in front of his Collin's array. At one time, every radio was broken and repaired by Bob. The editor performed some computer graphics magic, piecing sections of several pictures together so readers could get a panoramic view of Bob's magnificent shack. Bill is seated beside the last of the S-line Series while on his right sits a KWM-380. On the middle shelf above is the last of the Rockwell/Collins S models; a KWM-2. On the right side of the room is the KWS-1 and 75A4, the first Single Side Band set on the market.

After college, military obligation, starting a family, and well into a career, my dream eventually came true, I became the proud owner of the now famous 32S-1 and 75S-1. Was my dream shattered? Not in any way. I had made the trip back to November 1958. Not only was the S-Line a wonderful rig but I learned a lesson about amateur equipment and its reliability. I will be the first to admit that the term "not as good as it used to be" is over used and does not take on the meaning it once had, but it can not be said too much about Collins Radio equipment.

These radios continue to give us service today even after forty years of being with us. When I placed my S-Line into service, other than some minor cleaning, nothing was required to place the old radio into a useful state of operation. Users were told forty years ago that their S-Lines would operate for twenty-five years. The people at Collins missed that one somewhat, but to those of us that use and operate these old radios, that error is to our advantage. No one knows how long these old dinosaurs will chase DX on the low end of 20 meters or keep that schedule with the gang on 75. Who knows, maybe on Judgement day someone will need to pull the plug from the AC supply to stop an old 32S-1 from hearing that opening on 10 meters. I can only hope that the modern, solid state equipment will get the same treatment.

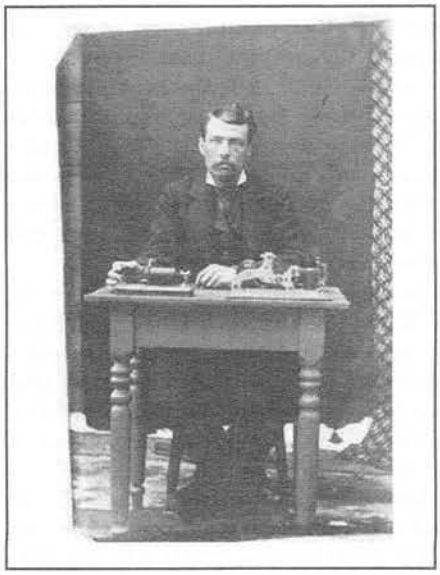
Take a Virtual Tour of the Telegraph Office; A Tribute to Morse Telegraphy

by Gerry Wentz KC4EHT

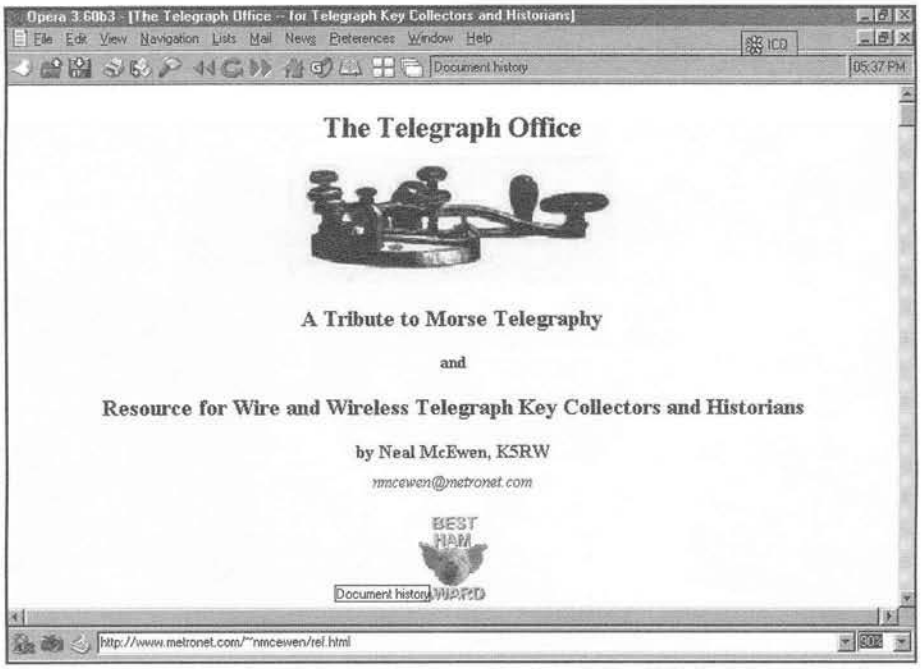
Many QCWA members are probably unaware that there are awesome museums and historical resources that one can visit without stirring from your chairs. For those of you with a computer, you may already know of what I speak. Those of you that still shun the new technology are missing out.

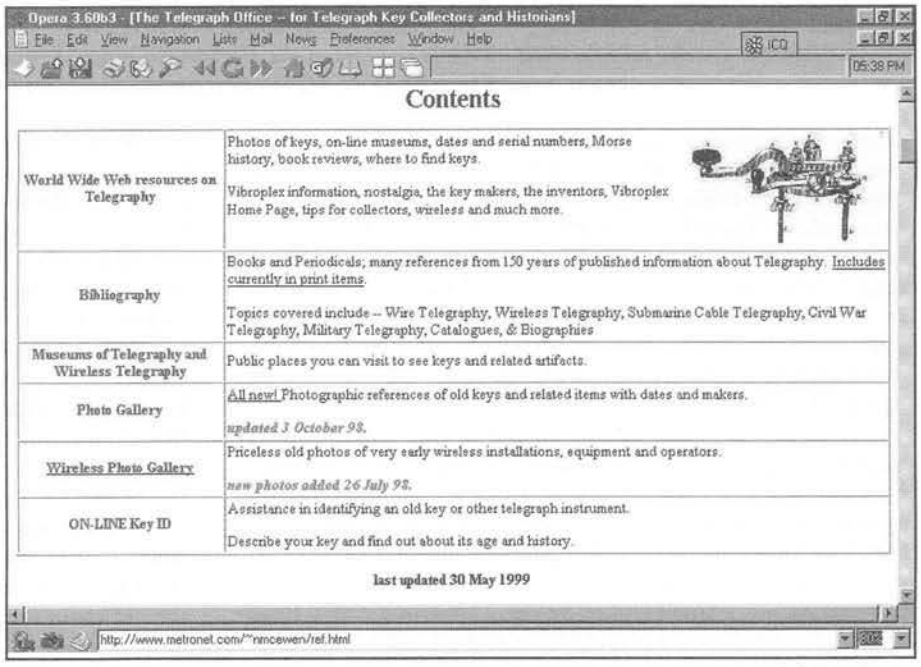
In my normal browsing around the Internet, looking for new material, I occasionally trip over spectacular web sites. When I tripped over Neal McEwen's (K5RW) web site, I was convinced that I found the most comprehensive collection of resources for Wireless information on this side of the moon.

Neal's collection of old (really old) photographs is worth the visit alone. The site appeals to all one's senses. One can even listen to wireless transmissions from the Titanic. If you are a collector of old keys and aren't sure what you have, or its value, there is an interactive questionnaire in which you fill in the blanks or answer specific questions as to serial numbers, material, size, color, etc., and the site will attempt to identify the key and its value.



An old photograph of a telegraph operator, circa 1860.





I've never taken the time to count the stories one can read but there must be hundreds, perhaps nearing 1000. Stories range from, "How did the Northern Lights affect telegraph lines?" to "Boston Fire Alarm Telegraph History". There is a list, compiled by James Doty, of telegraph companies from the very beginning of the telegraph business.

One can view the key collections of dozens of well-known collectors and at museums all over the world. Take a look at old spark-gap transmit-

ter keys or miniature keys carried by spies and resistance operatives during the wars.

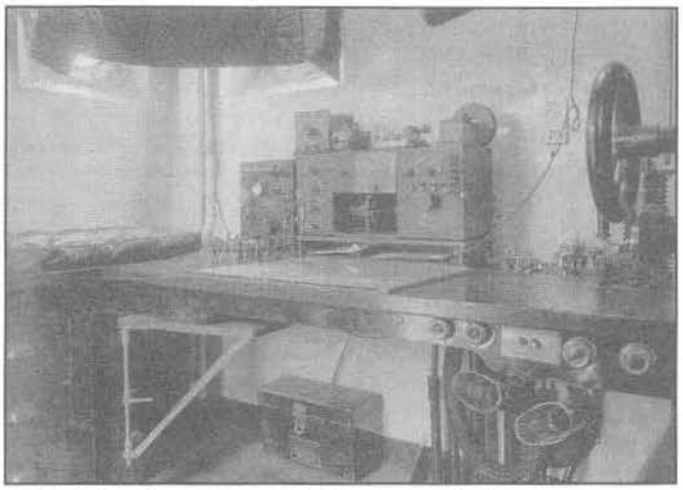
There is even an on-line tour of the Antique Wireless Association's Telegraph Key displays. In my opinion, there is a section of importance to many of you who own or are considering buying keys. There is information on the factors influencing key prices, information on disposing of keys (information your heirs should know) and information on documenting the history and stories of your keys.

Although the web site is predominately about keys, one can get information about other subjects. One can learn about Teletypewriter History, Insulators, and telephones to name a few. It is a matter of milling around through the site to find what you are looking for. Believe me, milling around is an appropriate term. Visiting the web site could be compared to throwing a ping-pong ball into an empty room. One just bounces from one topic to another topic to another picture to another interesting story to whatever strikes your fancy at the moment. I have spent hours rummaging around the site and it seems there is no end of something interesting to read, view or listen.

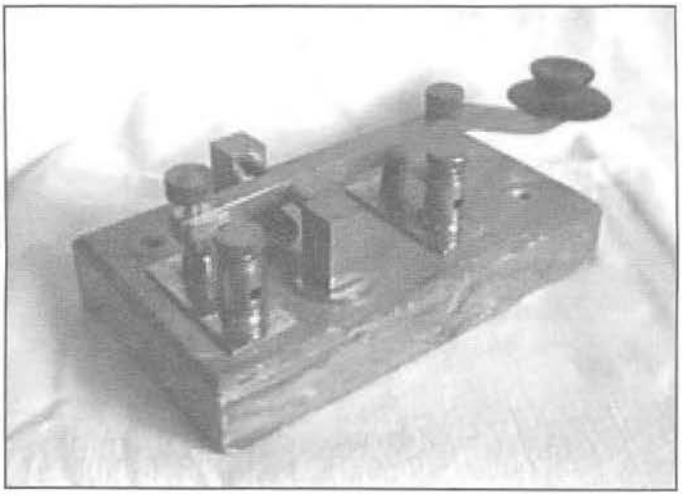
If you don't have a computer, you should find a friend who owns one and take the tour of your life at Neal McEwen's fantastic web site "A Tribute to Morse Telegraphy" and "Resource for Wire and Wireless Telegraph Key Collectors and Historians".

Check it out at:

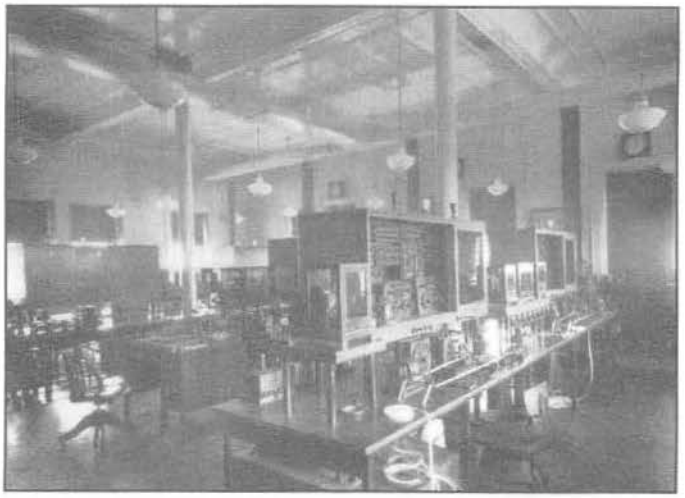
http://www.metronet.com/~nmcewen/ref.html



Port side view of the USS Cheyenne, wireless room circa 1916 in the Wireless Photo Gallery, Shipboard Installations section of the web site.



Take a look at the Cadillac of old keys - the Clapp Eastham Spark key circa 1916.



Inside view of the cable office at Canso Nova Scotia circa 1910 in the Telegraph Office and Operators section of the web site.

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Chapter Reports are a very important part of the Journal and we would like to see regular reports from all chapters. If your chapter is not represented on these pages, please ask your secretary to file a special report for the Journal. Please send the reports to General Manager, Jim Walsh, to arrive no later than the following dates: July 1, October 1, January 1, and April 1.

Chapter 1, Cleveland

We, like many other Chapters over the past couple of years have lost significant numbers in our membership. Some due to death, some to lack of interest and some to 'increased cost'. To counteract this decline several of our members have begun an active campaign to recruit new members and re-gain some of the old. We are happy to report the Chapter has gained a few new faces since the last report. Chapter #1 is pleased to introduce the following new members to the group: NV8L Sam Wolfe #29746, WA8PKC Al Boston #29742, K8GBH John Folkman #29752, W8CJB Cliff Bade #29827-L, WA8PCT Fred Barnes #29865, W8YEO Marvin Goldfarb #29902 and W8YLY Ken Wolenski #29908. Our recruiting efforts are ongoing.

Recently several members of the Chapter made the annual trek to Dayton for the 'Big One' and had the opportunity to once again meet some of the officers and board members from Headquarters. It's an excellent opportunity to exchange views and opinions regarding the direction and future of QCWA. This is always a pleasure to meet the elected officers who lead the organization.

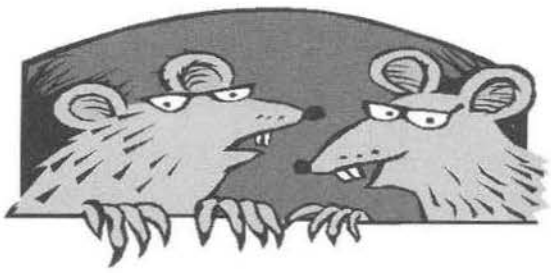
By way of reminder the QCWA & HAM VOICE CHAT ROOM created by Chapter #1 member Vince Febbriao, WB8NWQ is in full operation. A nightly get together is held at 0000 UTC and available to anyone with Internet capability. This is a 'voice' chat room, NOT 'keyboard to keyboard'. All you need is a mike, a sound card, Windows 95 or greater, and a 'plugin'. Here's how you do it - Go to the Cleveland Chapter #1 Home Page at www.qsl.net/w8lyd. Once you are there, look down the page to the left-hand side for the 'Links' column, click on "QCWA World Wide Voice Chat Room". This will place you directly into the conference room. The necessary 'plugin' is directly below the conference room window. Once you have downloaded the plugin, you run it once, and you are ready to go. You then go back to the conference room by following the previous instructions. A 'Dialer' should appear near the lower left corner of the conference room. You should also see 'Push to Talk' on the lower right side of the conference room. You click on the 'dialer', and you will appear in the chat room. We are looking for QCWA members from around the world to join in and enjoy this method of communication. Give it a try, we'd like to meet you there!

In addition to the 'Chat Room' our 2-meter Cleveland Chapter #1-QCWA Net is open every Wednesday evening at 8 p.m. You will find us on the Lake Erie Amateur Radio Association repeater at 146.88/28 MHz. The Net Control Station is W8LYD and our Net Control Operator is Steve, W8NZD. The Net is open to all licensed amateurs and if you are in our area please check in, you are always welcome!

The second quarterly meeting of the Chapter #1 group was held this past April 17 with 60 members and guests in attendance. Our meetings are held four times each year at Dimitri's in the Mid-Town Shopping Center, and open to all interested amateurs who care to attend. In fact, we invite and welcome newcomers and look forward to their participation as members of QCWA and Cleveland Chapter #1.

Our featured speaker for this meeting was once again Chapter #1 member Earl Carter, W4EU. Earl previously gave a most interesting talk on what it was like to be a radio operator aboard ship. For his encore presentation Earl informed us about "What won World War II". It was another interesting subject, the inception of shipboard Radar installation and operation during World War II and the impact Radar had on the outcome of the conflict. His presentation was interesting, informative and complete with pictures, charts and integral parts of a radar station. We look forward to the next presentation by W4EU.

Paul Poling N8CKG - Secretary



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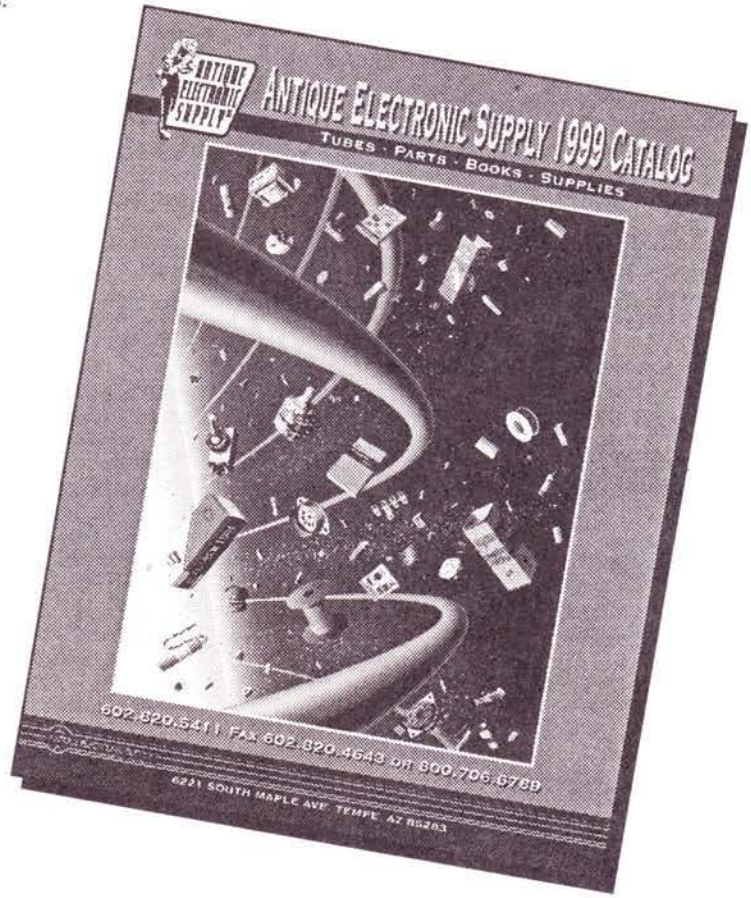

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Chapter 2, CHICAGO AREA

The meeting was called to order by President Jim Quinn, W9MFY at 6:45 PM. Jim Quinn reminded everyone of the upcoming meeting at Itasca Country Club and encouraged every to make an effort to attend. Lee Knirko reminded everyone of the availability of the "T" and golf shirts as shown in the Chapter News and the offer was still open. But the order is going in this week. Lee also announced the passing of two members. Bill Russ, W9REC recently and last October, Bill Toner, W9MKL. Gil Kowols mentioned that a CARE package had been received from Headquarters containing material to be used in our booth (table) at the Lake County hamfest and it contained some material the members might be interested as well. They were displayed on a table as the room is entered. They were QCWA identified materials, And very reasonably priced. There were hats, patches, decals as well as order blanks for the T/golf shirts, badges and QSL cards. Paul Crum, W9LC, also mentioned the meeting at Itasca Country Club and highly recommended attending. The entertainment is be outstanding, the facilities are first class, and the Brunch is endless and a wide selection. The meeting was closed. Colletti's served their usual fine dinner.

After dinner, Jim Quinn introduced Paul Crum who introduced the speaker for the evening: Morris Bleckman, N9GVA who was assisted by his lovely wife Susan. Morris is a professional photographer. He has been in the business as a news photographer when cameras and flashbulbs were the tools of the trade. Then he graduated to video cameras. Morris was a prominent photographer during the Democratic political convention in Chicago in the 60's.

Morris has been an accomplished sailor for 25 years and has sailed extensively.

Morris Blechman, N9GVA, in his foul weather gear on the deck of the boat that made the trip.

Morris was invited to photograph the trip around Cape Horn. His slide show was outstanding and his professionalism showed in every picture. He captured things that most of us will never see. The small towns they visited were interesting. He showed the inside as well as the outside of the ship in which they traveled as well as the fellow travelers

Morris's eye for the detail showed up in describing the camp for the lighthouse on Cape Horn and the small church that had been built there.

Everyone enjoyed the descriptions, the slides as well as Morris and Susan's insights.

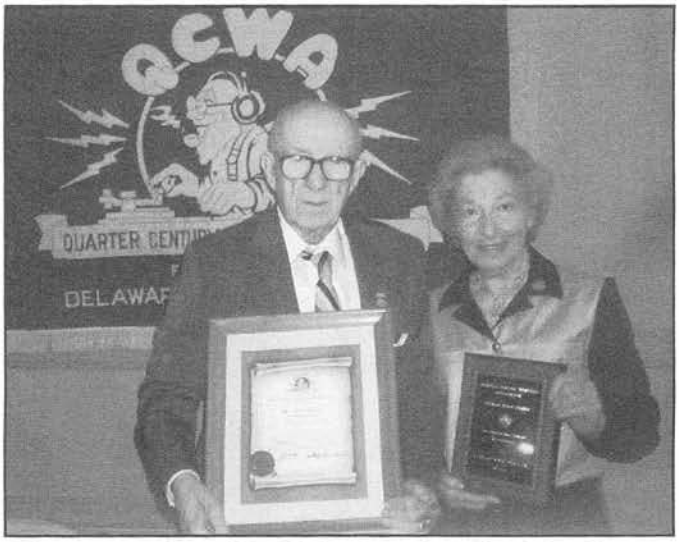
The program ended at 9:30PM.

Gil Kowols W9BUB - Secretary

Chapter 5, Delaware Valley

Chapter 5, Delaware Valley, had the spring meeting on April 17, 1999, at the Town & Country Restaurant in Bordentown, NJ. The meeting was called to order by Chairperson Florence Power, WA2WYE, and she gave the invocation, and welcomed everyone to the meeting. During the taking of orders for the meals, the minutes were read by the secretary and approved. The treasurer, Marx Foral, W3QGC, gave his report and it also was accepted by the members. The secretary read part of a letter sent by Ernie Kenas, W3KKN, a member of Chapter 5, concerning the many talents of one of the Chapter's members, Horace P. Deacon, W3AJF, who had become a silent key at the age of 94. Horace had helped many people become hams and was a great experimenter. His ham career started with spark and went thru AM and to SSB. National just two awarded him a 75-year plaque years ago. Another announcement was made about the scholarships that are available from QCWA and anyone could nominate someone for being considered to receive one.

A pleasant task was performed with the presentation of a Meritorious Award from National to our exChairman, George VanDyke, W3HK, for his many years of service to Chapter 5 and the last 8 years as Chairman. George also was presented a plaque from Chapter 5 for his many years as a member and his contributions to the success of the Chapter. An accompanying photo shows George receiving the awards from Chairperson Florence Power, WA2WYE.



The presentation of the Meritorious Award and the Chapter 5 Special Award to Ex-Chairman George VanDyke W3HK, by new Chairperson Florence Power WA2WYE, April 17, 1999.

The speaker for the meeting was Fiona M. Norton, Public Affairs Specialist, from the Social Security Administration, Trenton, NJ. She gave a talk on the "Future of the Program", and she was certainly well versed on the subject and gave a very interesting talk and an informative one. After her formal talk, she answered many questions presented to her by members of the

audience and solved some problems for several that had somewhat unusual circumstances.

All members are reminded of the Chapter 5 Net on Sunday mornings at 9:45 am on 3917 kHz and to check in whenever it is possible. Also, Chapter 5 has a home page on the Internet and the address is http://www.resuba.com1qcwa5. Be sure and check it out if you can. All members are urged to always be looking for a new member or two. The Chapter can not survive without getting new people involved.

Delaware Valley Chapter 5 held a luncheon on Saturday, June 19, 1999 at the Town & Country Restaurant located at Bordentown, NJ. The meeting was called to order by Chairperson Florence Power, WA2WYE, and she gave the invocation and welcomed everyone to the meeting. While the orders were being taken, the minutes were read by the secretary and approved. The treasurer was not present and no financial report was available.

Present at the meeting were two guests, Kay Craigie, WT3P, ARRL Atlantic Division Director and Al Breiner, W3TI, SCM for Eastern Pennsylvania. Al Breiner, W3TI, had a special award that he brought along to present to one of the members. After the meal was finished, he gave a short review of the career of George VanDyke, W3HK and his many years of service to the National Traffic Net as a regular participant in its activities. George could always be found on the regular sessions of the traffic net and was known for his fine CW operating. He was an inspiration to many young hams and showed them the ropes for traffic handling. Kay Craigie, WT3P, also added her congratulations to George on receiving his award and then gave an inspiring talk about the future of ham radio and the obstacles ahead that will be met and solved as they have been in the past. Ham radio has always had problems of one kind or another and Kay related that they had been taken care of and ham radio had survived. Everyone enjoyed Kay's talk and enjoyed the good fellowship at the meeting.

Kay Craigie WT3P, ARRL Atlantic Division Director with George VanDyke W3HK. the recipient of an award for his many years of National Traffic participation. Al BREINER W3TI, SCM for Eastern Pennsylvania, presented the award. Poor eyesight and diabetes now handicap George.

Chapter 5 had a report of some bad news with the passing of one of its members, Russ Snedeker, W2EEQ, a long time member and net control of the Sunday morning net for many years. Russ will be missed by all those that knew him and the many friends on a number of nets in which he participated. Russ had suffered from polio when he was a young boy and the disease came back to attack him in his senior years.

Chapter members are reminded of the Sunday morning net that operates on 3917 kHz at 9:45 am to 10:30 am and the net is a good place to catch up on the news of the Chapter and get to know some of your fellow members. Chapter 5 also has a home page on the Internet and the address is http://www.resuba.com1qcwa5. Another place to find out what is going on in the Chapter. All members are urged to be on the lookout for a new member. The future of the chapter depends on new members coming in. Do your share and get another member signed up.

Don Field W2UAE - Secretary

Chapter 10, Michigan

The annual meeting was held on May 1, 1999 at the Waterfront Restaurant in Cadillac. First order of the day was the delicious luncheon, enjoyed by twenty-nine members and guests. The business meeting was not successful as only one officer was present, and the nominating committee had not obtained anyone to accept a nomination for an office. Nominations from the floor were requested, but there were none. So no election was held.

The date for the annual picnic was set for August 18, 1999 at Kenwood Park in Cadillac. Since there will be a state ham convention in Flint on September 25, 1999, we will request a meeting room and try to get the chapter together there.

A discussion was held, at the request of member W8ZN, about having a name for the chapter other than Michigan. More than one name was suggested and it was decided to discuss this on the net and hold a vote at a later date.

Certificates were presented to Al Travis, W8CHT, for Century Club and to Helen Schmock, W8GJX, for 70 years of operation. Helen had just passed her 90th birthday and shared with us some memories from her 70 years on the air. A real record for the rest of us to aspire to. Certificates were also available for Constance Creighton, AA8DO, for 50 years of operation and for Bill Little, W8ZN, for Century Club. Neither was present so the certificates were mailed or presented elsewhere.

Unfortunately our chapter is in downward trend at the present time. Many members have reached an age where they can no longer keep up with outside jobs and have already served many terms in office for the chapter. We have recruited younger members, but they

Left to right: Helen Schmock W8GJX (age 90) receives her 70th anniversary award from Secretary Beverley Stoner K8ZJU.

Left to right: Chapter Secretary Beverley Stoner K8ZJU.presents Al Travis W8CHT his Century Club award.

plead a busy life with earning a living and raising families. It leaves us between the usual rock and hard place. We hope to hang in there until newer members are able to take over and run the chapter. But we badly need officers and net controls. Any of our members who have not been active and now have a little spare time and energy are encouraged to volunteer. We would hate to see the chapter become inactive as the older members become silent keys.

Beverley Stoner K8ZJU - Secretary

Chapter 18, Findlay Area

The Findlay (Ohio) Area QCWA Chapter met for their quarterly breakfast gathering on Saturday, March 13, 1999 at the Woodland Restaurant at 317 South Main Street. President Jay (John) Edel, WN8HHJ presided.

Secretary/Treasurer Bill Kelsey, N8ET, presented President Edel with the Chapter's new banner. The QCWA banner had been ordered just after the December 12, 1998 meeting.

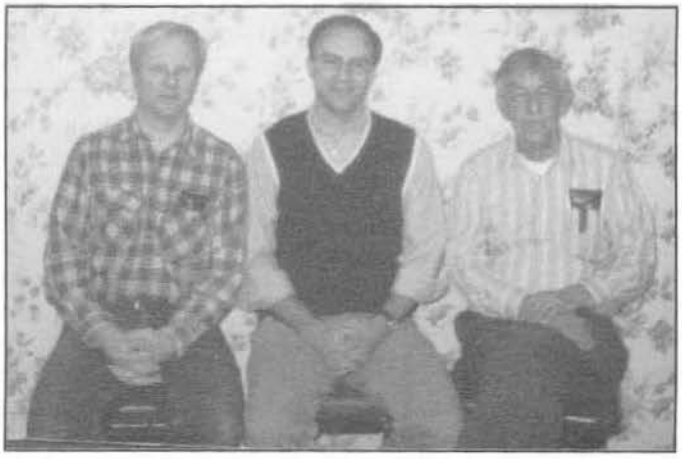
Discussion included membership recruitment strategies. Dick Corbin, W8IYC, volunteered to do an initial review of a listing of area amateurs who may be eligible for QCWA membership. Vice President Dick Davies, K8IVP, will review the list after W8ITC and involve others in the process.

The membership decided to get involved in the Findlay Radio Club's field day efforts by providing breakfast on Sunday morning. WN8HHJ will coordinate with the assistance of K8IVP and Rich Flowers, AA8IV.

The next meeting will be held on Saturday, April 17, 1999 at the Woodland. Coffee will begin at 8:30 a.m., with breakfast following at 9:00 a.m. Officer elections will be the primary focus of the meeting.

The Findlay (Ohio) Area QCWA Chapter met for their quarterly breakfast gatherings on Saturday, April 17 and June 5, 1999 at the Woodland Restaurant at 317 South Main Street. President Jay (John) Edel, WN8HHJ presided over both meetings.

The following officers were re-elected for the 1999-2000 year during the April 17 meeting: Jay (John) Edel, WN8HHJ - President, Dick Davies, K8IVP - Vice President, and Bill Kelsey, N8ET - Secretary/Treasurer.



Left to right: Bill Kelsey N8ET, Jay Edel WN8HHJ and Dick Davies K8IVP.

Back row, left to right: Rich Flowers AA8IV, Bill Kelsey N8ET, Dick Davies K8IVP, Bob Corpus K8OIL, Dick Curry W8AFR and Joe Brown WB8MSJ.
Seated, left to right: Ken Coleman KCØL, Jimmy Sorrels WA9ABB, Geoprge Flinchbaugh WA8HDX, Jay Edel WN8HHJ, Dick Corbin W8IYC and Loren Williams W8KIL.

The club will sponsor a QCWA sign-in table at the Findlay Hamfest on Sunday, September 12, 1999.

Plans for cooking breakfast during the Findlay Radio Club's field day efforts on Sunday morning were finalized. WN8HHJ will coordinate with the assistance of K8IVP and Rich Flowers, AA8IV.

During the June 5 meeting, Joe Brown, WB8MSJ, brought several interesting "conversation pieces" to share with the group. The most interesting was a three-pound Ostrich egg that would have fed the whole crowd if Joe would have parted with it. Joe also shared pictures from hamfests during the 1960's when his son Bill Brown, WB8ELK, was peddling the "Radio Trade Around."

The next meeting will be held on Saturday, September 18, 1999 at the Woodland. Coffee will begin at 8:30 a.m., with breakfast following at 9:00 a.m.

Jay E. Edel, WN8HHJ - President

Chapter 20, Baltimore

The 38th Annual Banquet of Chapter 20 was held at Synder's Willow Grove Restaurant on April 24, 1999. We had 31 people in attendance.

Railway historian George Morgan, W3MWY, gave an interesting talk on the Pennsylvania Railroad electrification. He had a number of slides of the GG-1 locomotive and other types of electric locomotives.

Left to right: George Morgan W3MWY, Lee Dorsey N3BHC, and Bob Bennett W3WCQ (behind Lee).

An election of officers was held and the new slate of officers is: Robert Bennett, W3WCQ, President Lee Dorsey, N3BHC, Vice President Russ Smith, K3APM, Secretary-Treasurer The highlight of the meeting was the presentation of the 75-year Service Award to Lee Dorsey, N3BHC. Lee was first licensed in 1924 with the call, 3CIT. In 1930 Lee started a company called Soundscape which sells high fidelity audio equipment. The company is still in business and doing very well. It is now run by three of his sons.

John Swofford, W4HU, from the Northern Virginia Chapter attended the meeting. John comes to a number of our meetings and we are always honored to have him.

Chapter 20 still meets every Monday Evening at 9 PM local time on 147.285 MHz +600 kHz. Although the repeater is off at the moment, we carry on using Simplex.

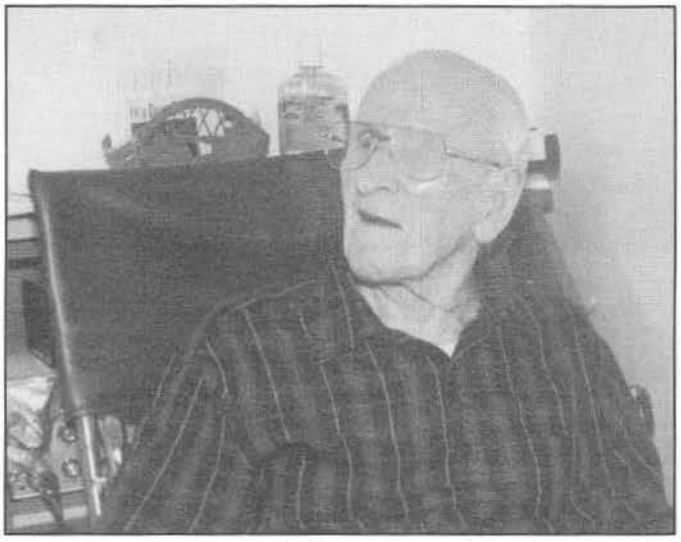
It was a pleasure being Secretary-Treasurer for Chapter 20. Thank you for all the support.

73 CAM

Chapter 21, Canton, Ohio

The regular quarterly meeting of QCWA, Canton, Ohio Chapter 21 was held May 8, 1999, following luncheon at Melville's Restaurant, Canton, Ohio. Following lunch, President Phil Gizzi W8IIV presided for a business meeting. There were 24 members and guests present.

President Gizzi reported that a group visited Leroy Burckhart W8CZA on May 5 to present him with the QCWA 70th Anniversary Award Certificate. He then presented to Nelson Caley W8EAR QCWA certificates for 50 years Continuous Operation Award and 50th Anniversary Award.



Leroy Burckhart W8CZA as he received the 70th anniversary certificate.

Shirts-R-Us

Order one of the spiffy new

QCWA

Golf or T-shirts

Order from QCWA Headquarters

President Philip Gizzi W8IIV presenting to Nelson Caley W8EAR the certificate for 50 years continuous licensing and the 50 year-anniversary certificate.

The speaker for the program was Paula Armentrout, Consumer Education Coordinator in the Office of the Attorney General of Ohio, Betty Montgomery. She discussed how to file consumer complaints, how referrals are made to proper authorities, and informal non-binding mediation service. Other discussions included contract cancellations, which apply only to home service solicitations, prepaid entertainment and trade show transactions; also, refund policies, sweepstakes offers, and tele-marketers. She told how identities can be stolen and how personal information is shared by organizations. Printed material was available for reference.

Door prizes were awarded.

LeRoy K Burckhart W8CZA, 91, was first licensed in June 1929, as 8CZA. He currently resides in the Brenn-Field Retirement Facility, 1980 Lynn Drive, Orrville, OH 44667. Although he is blind, he is active on 20 meters and on 2 meters using a Corsair II and a Kenwood 7930 with an audio frequency meter.

Roy's happiest memories are running phone patches on 20 meters several years for 70 employees on board a research ship. The scientists traveled around the world and were at sea for three months at a time. They awarded him a hard hat for his services. He also handled phone patches for missionaries in Haiti. When he was able to go on cruises he would take radio gear along although that was frowned upon by authorities.

The Ohio Edison Co formerly employed Roy. His early equipment included a home brew 210 Hartley oscillator and a two tube regenerative receiver with a 40 meter Zepp.

We salute Roy for his 70 years of amateur service.

David Glass W8UKQ - Secretary

Chapter 25, Nebraska

Forty-four members and guests attended the Annual Meeting of Nebraska Chapter 25 at the Knolls Restaurant in Lincoln on the 24th of April. Prior to the luncheon, the Board of Directors met to discuss items of business. Although no important issues appeared on the agenda, the meeting focused on the retention of members and the recruitment of new members. It was recognized that our organization is mainly one of older long time hams, and we naturally suffer loss of membership by our members becoming silent keys as do all other chapters. A recruitment program is being emphasized and hopefully will help replace those we lose. Arrangements have been made for the Annual Meeting 2000 to be in May of next year.

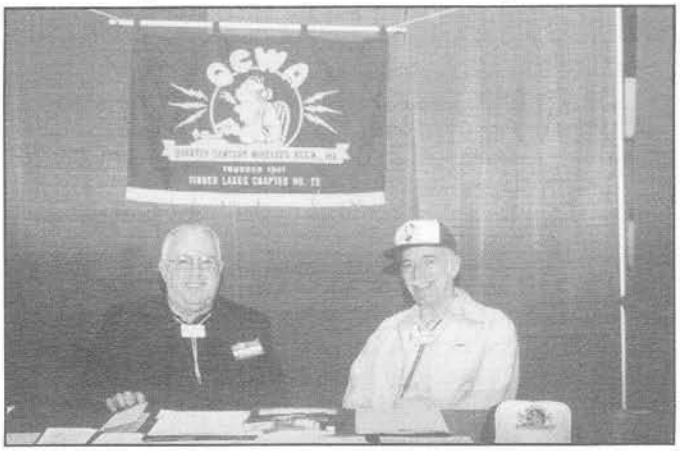
Chapter 25 Board of Directors 1999 (left to right) Chuck Davis KØFY, Don Perazzo WØYPY, Dave Bowder WAØUKE, President Dick Newsome WØHXL, Secretary Elden Miller WØKVM, Treasurer Reynolds Davis KØGND and Dale Reandeau WWØR.

The luncheon was great and it was an excellent chance to become reacquainted with those we constantly talk to on the air. Our President, Dick Newsome, WØHXL, made arrangements with the national office for QCWA items and a drawing was held with caps and patches awarded to the lucky winners of the drawing. Also, during the luncheon, awards were made to some of our members. Those receiving awards were Mac WØAP for 65 years; Jerry Bennett WØWKP, Dick Simonson WØCHV; Art Catlin WØAPS; Bill Wesslund WØBJ and Don Wilkenson WØDP for 60 years. The Century Award was presented to Jack Hubbell WØNHS.

Chapter 29, Finger Lakes

The Rochester Hamfest was a great success with lots of activity around the QCWA Booth manned by the Finger Lakes Chapter from Syracuse. It was indeed a pleasure to welcome W3ABC to the booth in that Hugh is a key figure in QCWA's activities, and we seldom get a chance to visit with him.

Left to right: Hugh Turnbull W3ABC, ARRL Vice President; Croft Taylor VE3CT, QCWA Vice President and George Cook W2RBK, President Chapter 29.



Left to right: Fred Adsit NY2V, and George Cook W2RBK, President of Chapter 29. The picture was taken at the recent Rochester NY Hamfest. Great weather, a good turnout and lots of booth activity made this a memorable weekend.

Hugh is the Chairman of the Scholarship Committee with the Foundation for Amateur Radio, and he liaises very closely with QCWA's Scholarship committee Chairman Leland Smith W5KL. It was also a pleasure to spend some time at the booth with Harry Dannals W2HD, former President of QCWA.

Chapter 35, Kansas City

Kansas City QCWA Chapter 35 had its May Banquet at RCs in Martin City MO with 43 Members , spouses and guests attending.

The festive occasion included a 3 meat buffet with all the trimmings and fellowship galore! An all you can eat affair enjoyed by all.

The program was Speaker Larry Staples, WØAJB who talked about the merit of service clubs serving the community via Ham Radio. We have hidden talent that comes to the fore during emergencies and we get our practice doing walkathons helping the community raising money. QCWA was complimented for its part in this chain of ham radio helpers.

Each member got the opportunity of stating when he was first licensed and appropriate remarks to what Radio has done for the individual. Recent Silent Keys were noted.

President Wilbur Goll WØDEL suggested everyone look at membership date in QCWA and become current if they are not.

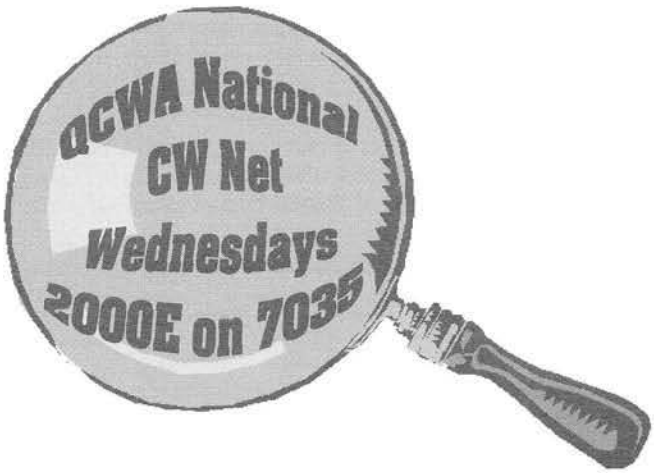
Cass Cassing WØGJG - Publicity

Chapter 37, Harrisburg

The Harrisburg Chapter #37, of the QCWA, has changed our quarterly meeting place to the Bonanza Restaurant, just across the road from our old meeting location, which was at Shoney's, in Carlisle, PA. Shoney's is no longer in business at this location, so that was the reason for the change.

Meetings coming up this year, for our Chapter, will be at the Bonanza, located at Exit #13 of I-81 in Carlisle, PA, on Saturday, September 11, 1999, and Saturday, December 11, 1999, both starting about 11:30AM, with either a choice of a buffet or order by menu. Usually we have a Program scheduled for each meeting.

One of our recent meetings featured a video entitled "Code Talkers", which was the story of the Navaho Indians and their experiences in providing secure voice communications, during the second World War, using the Navaho language in conjunction with other



codes to transmit tactical information for the Allies in major battles of the war. The code was never broken by the Japanese. They used radio and field phones to transmit their messages. This was a very interesting video.

We are sorry to have to report the passing of our friend, Steve Demes WA3AIR, from Chambersburg, PA. He became a Silent Key on April 14, 1999.

Carl Morris WN3DUG - Secretary/Treasurer

Chapter 39, Akron

The meeting of Apr. 15, 1999 was held at Waterloo Restaurant at noon. Since it was Apr. 15 and our Secy/Treas Bill Hessler W8DXT was busy with tax work and couldn't stay for the meeting, Jim Trutko W8EXI was recruited to be Acting President and Gene Cooke W8XL was recruited to be Acting Secretary. Gene's report is included below.

The treasurer's report also showed a balance in Petty Cash of $.68. The $11 collected at the meeting was for the Kitty. I suspect that the attendance reported as members may also have included some spouses, XYLs of Silent Keys, and/or other guests.

18 members were present. Meeting called to order at 12:13 PM by acting President Jim Trutko W8EXI

Ham Radio News Bits: Jim Trutko W8EXI reported on his Ham set-up, and Ham activity at the Laurel Lake Retirement Center.

Renee Garlock (Ormal Garlock's K8BYP wife) passed away. Tom Weiss is on the disabled list, and has taken early retirement. Charlie Rogers W8ZKX is undergoing chemo-therapv and recuperation at St. Edward's Nursing Home. A motion was made and passed that Tom Weiss be given honorary membership. Tom Passons underwent open-heart surgery, and is therefore also on the disabled

Lunch was served at approximately 12:35 PM.

Following Lunch, the acting President Jim Tsutko gave a financial report. E.J. Cooke W8XL (acting secretary), reported on upcoming Multiple Sclerosis Benefit Walk-in the valley, for which the GARC volunteered to provide 2M communications. He also reported on the Canfield Hamfest. Del Labo W8SJC commented on the good work being done by the local area Center for the Blind and sight-impaired.

E.J. Cooke W8XL - Acting Secretary

Chapter 41, Dallas

It is with a sense of shared loss that we note the death of long-time member Boyd Donegan, W5IF, who at the May meeting was presented with his 75-Year QCWA Plaque. Boyd, a navy Chief Petty Officer aboard the cruiser USS Cleveland in WWII, returned to civilian life, nurtured a fine family, and embarked upon a long and rewarding career with Dallas Power & Light Company. In addition to his life-long love of amateur radio, Boyd was an avid golfer, gardener, photographer, woodworker, and resident connoisseur of Blue Bell Ice Cream.

Jun Haynie W5JBP, ARRL West Gulf Division Director, and managing director of this year's highly successful Ham-Com Convention at Arlington, Texas, was congratulated at the July chapter meeting for his managerial skills and in particular for his success in securing the presence of Riley Hollingsworth K4ZDH, the FCC's top amateur enforcer, as guest speaker. Mr. Hollingsworth addressed a standing-room-only crowd of convention attendees and confronted a wide range of topics relating to amateur radio. He emphasized the urgent need that the amateur bands be cleaned up and order restored if amateur radio is to survive as a public service the onslaught of commercial demand for spectrum space occupied by the amateur radio service. To this end, Commission investigators concurrently issued citations to sellers of illegal CB equipment who had infiltrated the flea market. He also favorably noted that during the Commission's neglect of meaningful enforcement in recent years the amateur service through its long instilled sense of self-regulation was in better shape than that of any of the other regulated services. His message left little doubt as to what the new FCC enforcement policy is about - obey the rules or face the consequences!

Left to right: Harry Meyer K5VPH (Sectretary of Tyler Chapter), Luther Pully W5JIZ, Barney Moffatt W5CJZ, and Arnold Krusemark KØYVI.

Jack Kennedy W5DJ, the chapter's northernmost member and xyl Alice situated at Elizabeth, Colorado, have adjusted to life away from the charming summer temperatures of Dallas. As a result of an unusually good stock market performance the chapter board of directors has hired two retired flight attendants for its Learjet, PocketRocket 41: Ms. Tassels LaRue (ex-Braniff) nominated by Capt. Hall Bond, K5ZSB, and Ms. Bimbi LeBoutre (ex-Continental) nominated by

Capt. Jordan Jones, W5CF. Arnold Krusemark, KØYVI, has been named Chief Choreographer of the renowned Inez Frinkelhause Water Ballet Ensemble of Fort Worth. Andy Hassell, W5DEM, who spends a goodly portion of the year at his condo in the Colorado Rockies, enjoys the isolation offered by post-season skiing and the cooling effect of flying slush created by his hydroplaning down the mountain.

Bob Olney N5NT - Parliamentarian

Chapter 45, CITRUS

It is a good feeling to start this Chapter Report without having to express our regrets over another member becoming a Silent Key. In the last three issues of the Journal we have had to announce the passing of one or more members. May we have many more issues before we have to report another.

Summer is here, and the thoughts of Hams turn to outside the shack activities, starting with Field Day, that annual indicator that the hazy, if not lazy, days of summer have truly arrived. Summer in Florida means that the days will be in the 90's and the nights will get down to the 70's. Since it is our rainy season, a thundershower, sometimes of several inches, can be expected each afternoon. Makes an exercise like Field day a bit more realistic.

Norm Gertz, K1AA, had been in the hospital for a couple of weeks to have a broken leg mended. A metal rod was inserted in the leg and we are waiting for Norm to get on 2 meters to see if it will resonate at the repeater frequency. We are pleased that he is back home again and active in the Chapter affairs.

The Chapter is still trying to find the perfect place for our monthly luncheon meetings. Restaurants that have rooms available for our usual third Saturday meeting have not proven to be satisfactory for holding one. Since our long time meeting place, Stacy's Buffet closed, we have found that any restaurant, with a suitable room, is not available due to prior commitments. We will continue hunting though.

If you are in the Orlando area, Tuesdays at 1930 hours local time, check into our 147.195 MHz repeater to find where and when the Chapter is holding it's next meeting. Good food and warm fellowship, that's us.

Paul A. Turner W1DLP

Chapter 48, Treasure Coast

Chapter 48 of the QCWA met on Monday, April 19th at Captain Hirams in Sebastian for a cruise/luncheon. 23 members and guests attended.

A two-hour cruise on the beautiful Indian River Lagoon was most enjoyable producing many, many dolphin sightings. The Captain was a gracious host spinning many yarns about Sebastian and the lagoon. The only downside to the trip was the problems with motion sickness some folks had when everyone moved from one side of the boat to the other to stay in the sun. Hi. It was brisk.

After the trip, we adjourned to a semi-private dining area at Captain Hirams for a very nice lunch.

QCWA Chapter 48 members sent "Up the River". The Treasure Coast QCWA Chapter 48 members are shown on board the River Queen at Captain Hirams in Sebastian Florida awaiting departure on the Dolphin Watch Tour of the Indian River lagoon.

This is our second meeting of the year. We plan to have 4-5 get-togethers. Anyone interested in QCWA Chapter 48, please feel free to contact K4EBK at 561-388-0255 or K4EBK@juno.com.

Chapter 49, Peach State

Our Spring meeting was held on March 6 at Ryan's SteakHouse on Jimmy Carter Blvd. in Norcross. President Frankie Womack, W4BJT, called the meeting to order at 1PM and welcomed all. Present were 10 members, 2 "Friends" and 3 spouses. Special welcomes were made to new members Jerry Lofstead W3CDE and his wife Ann, and Fred Runkle K4KAZ along with first time attendee Duane Buchanan K4PTT. Duane won the door prize drawing of a 1999 ARRL Handbook.

K4SZ reported that net participation has been down when he is net control. What's wrong here? W9BKJ and K4SZ have been taking net control duties for K4VN while he's not feeling up to it lately. KT4XF reported that Sci-Trek activities are going well and called for more volunteers to man the ham station at Sci-Trek.

Welcome new national and Chapter 49 members Sam Billingsley AE4GX, Atlanta; Jerry Lofstead W3CDE, Lilburn; John Kludt N9ENG, Duluth and Fred Runkle K4KAZ, Buford. Fred and his wife Pat KC4DOO are very active Red Cross volunteers in the area.

Call sign update: Member Dick Ray received W5SNX, a call he held in the 50's to replace KS4KR. Mary Whatley obtained Juds' call sign W4NZJ in early January under the vanity call sign program. Congratulations to Mary and we were especially excited to hear "W4NZJ" on the Southeastern 6m SSB net again. Member Terry Jones obtained the call of an old friend, W4TL to replace K4FB. Finally, the North Georgia ARC in Dahlonega received W4QQ as their club call. Many of you remember our late Chapter 49 member Bob Conner. Bob's widow, Jean, gave the club permission

to obtain his call under the vanity call sign program. Chapter 49 member Duane Buchanan K4PTT is the NGARC president and trustee of W4QQ. Duane recently changed his call from KT4XE to K4PTT and Duane's wife Mary is K4PET (ex KF4ZOR). Other Chapter 49ers in the Dahlonega club are K4SZ and AE4GQ.

VP Mike Swiderski introduced our program speaker, President Frankie Womack W4BJT. Frankie gave an interesting slide show and description of the High Seas Station WOM from 1969 to 1984. This was the AT&T commercial ship to shore radiotelephone service and HF SSB radiotelephone service to the Carribean and Central American countries from the Miami/Ft. Lauderdale area. There was some very interesting equipment and especially the photos of the big HF rhombic and log-periodics antenna arrays. Thanks Frankie for the great program.

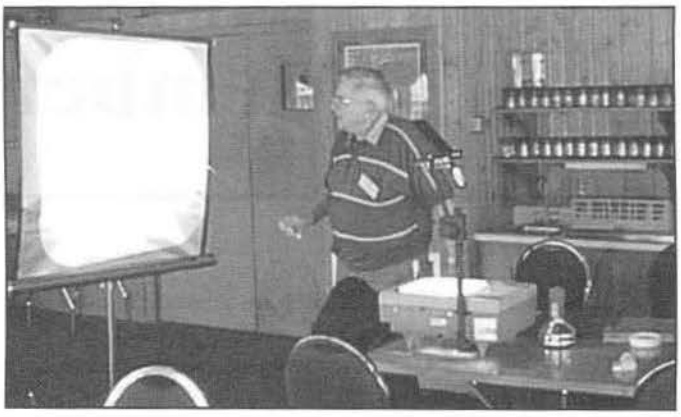
Bob Lear K4SZ - Sec/Treas

Chapter 55, Wisconsin

On a beautiful Wisconsin spring day, Saturday, June 5, thirty-one members and guests traveled to the Fin & Feather Supper Club on Lake Winneconne, Winneconne, Wisconsin for the spring meeting. Verne Teske/W9RYA, the chairperson welcomed the group, asked for a moment silence for our silent keys, then gave the invocation after which all enjoyed the 99-item buffet. The view through the dining room windows of boaters on the lake was great.

After the meal, the ladies went to another area to have their own chat session during the chapter business meeting and program. Our secretary, Herb Roehner/WA9UVK, read the minutes of our October '98 meeting and Erv Froehlich/W9RCW gave his treasurer's report. There was no old business. For new business, there was the selection of the Milwaukee area for our fall meeting. Another item was the selection of a nominating committee. Verne asked for volunteers, as an election of three board members will take place at that meeting. Since no one volunteered, Verne will appoint a committee.

An interesting program followed. Ron Yokes/W9BCK's presentation was on Making Pictures in the Dark. It had to do with the introduction of studio color TV in the Milwaukee area. Ron was a member of the WITI-TV team that brought this to Milwaukee. The system was different from todays in that the televised personnel and objects (image) were in a dark room and the camera head projected the light to this image to be televised. The image reflected the light to photo cells covered with red, green and blue gels. The color differentiated output of the photo electric cells, the output signal, was carried to the master control room for further signal processing. The only light in the studio was the strobe light that occurred during the vertical interlude of the composite signal. As the accompanying picture shows, Ron showed drawings of studio layout and other information with an overhead projector. Many thanks go to Ron for his fine presentation.



Ron Yokes W9BCK gives presentation on Making Pictures in the Dark showing drawings of studio layout and other information with an overhead projector.

All had the opportunity for an early departure so they could leisurely enjoy the drive home through Wisconsin's beautiful springtime scenery.

Story and photo by Les Peterson, W9YCV

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Membership Certificates are numbered in serial order and are issued to each member. Numbers are not reissued except to the same member to whom they were first issued.

QCWA Gold Certificates celebrate the 50th anniversary of licensing. Issued without charge to eligible members upon proof of year of first license.

Gold Certificates are issued in five year increments; 55, 60, 65, 70 and 75 year certificates free of charge to eligible members.

Fifty Year Continuous Licensing Gold Certificate available to eligible members. Requires submission of proof of continuous licensing. There is a $5 fee for this certificate. Applications are available from QCWA Headquarters.

QCWA Century Club Certificate is issued to QCWA members whose age, when added to their number of years as a QCWA member totals 100 or more. No charge for this certificate.

Meritorious Award Certificate is issued by Headquarters upon request of any active QCWA chapter. One such award is authorized for each chapter each year. The award may be given to recognize unusual dedication to QCWA or amateur radio. No charge for the award.

Operating Awards

QCWA Operating Award Certificates are issued to QCWA members by the Activities Manager. Proof of eligibility is required.

QCWA Worked 50 States Awards are issued to QCWA members who have contacted members in each state of the union.

QCWA Worked 100 Members Awards are issued to QCWA members who have contacted at least 100 QCWA members.

QCWA Worked 60 Chapters Awards are issued to QCWA members who have contacted members of 60 chapters.

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Chapter 65, Niagara Frontier

We regret to report the death of John Schooley K2NC of Rochester, a member of our chapter.

Norm W2VEX came in 10th in the March QCWA QSO Party. Great! Ken K2FJ, using the club call W2SD tallied 17,500 points which was the top score. Why it wasn't shown was not clear.

Congratulations to Henry and Margaret Kuhn W2IRU who celebrated their 60th wedding anniversary on June 10, 1999. Also to Carmen and Lucille Tona W2VLZ who celebrated their 50th wedding anniversary on June 12, 1999.

Chapter Director Hank Kuhn W2IRU and his wife Margaret.

We are encouraged by the attendance at our monthly luncheons at the Flying Tigers. It's at 12 Noon the 2nd Saturday.

Please report into our Sunday net for the latest information 1:30PM on 3900 kHz.

Ken Palmer K2FJ/ZB2G - Secretary

Chapter 66, Spaceport

The Spaceport Chapter, located in the area surrounding Cape Canaveral and the Kennedy Space Center, has been meeting regularly for 27 years. We specialize in having a very friendly and member participating gathering which seems to please our guests as well as ourselves.

One of our members, Nelson Guadalupe K4FGV, has distinguished himself more than once in the eyes our members. As a dedicated MARS operator at the local Air Force Base, he provided communication for Air Force planes in emergency situations flying north from Central America and requiring alternate landing sites. The aircraft VHF and UHF equipment was out of communications range over Guatemala and Mexico, but MARS HF did the trick. By landline he alerted the proper operations to save the situation. We are duly proud of him.

Some of our members gathered around the banner at our April meeting. From left to right in the front row: Penny Bowen, W4SLD, Bill Knopp, WA9ERC, Art Greene, K4DQC, Nelson Guadalupe, K4FGV, Bonny Lathen, WB9TUM, Barry Priddy, K5VIP.

Art Greene, K4DQC

Chapter 70, National Capital

Having a hobby like Amateur Radio leads into many other interesting sidelines! When a disruption in radio transmission occurs it may be due to activity on our sun. This leads our Chapter 70 members in the direction not only of our solar system, but also our Milky Way galaxy and beyond. Exciting! - So much to know, so much more to learn. Many of our signals have been sent there, but just where and is anyone listening? Questions, questions! Being in an outer spiral, called Orion's Arm, of our 200 billion solar massed galaxy, with the nearest other galaxy being 2 million light years from Earth and taking 200 million years to complete even one orbit around our galaxy's nucleus, may result in slow answers to our questions. Gordie Grant VE3DY provided us with lots of outer-space information and in particular, on our sun - its core of hydrogen; nuclear fusion; isotopes; photons of radiation taking millions of years zigzagging their way to the sun's surface; and neutrinos directly heading out of the sun. The strongest magnetic fields on the sun are the sunspots and the tremendous amount of energy stored

Thursday morning breakfast gathering: Jim Dean VE3IQ, Graham Ide VE3BYT, Ken Pulfer VE3PU, Gerry King VE3GK, Rod Newkirk VA3ZBB, Betty Newkirk VE3ZBB, George Roach VE3BNO, Ralph Cameron VE3BBM, Bob Zieman VE3ATN, Clare Fowler VE3NPC, Doreen Morgan VE3CGO, Ed Morgan VE3GX, Guy Charron VA3FZA, Bill Rothwell VE3FGW.

International Vice President Croft Taylor VE3CT presents a 60 year pin and certificate to Ken Curry VE3PF.

International Director George Roach VE3BNO (left) and Vice President Croft Taylor VE3CT (far right) presents 65 year certificates to Bill Barrie VE3AAS, Gordie Grant VE3DY and George Adamson VE3XS.

there is released as solar flares. Then the solar wind increases carrying ejected particles that often cause a disruption in our radio transmissions. Sunspots vary with an 11 year cycle and the north magnetic and the south magnetic poles of the sun reverse polarity also in an 11 year cycle. Thus the real period of solar activity is 22 years! And while we're busily communicating via Amateur Radio, we should remember, we're all made of star stuff!

Chapter 70 meets the third Wednesday in February, May, September and November for dinner at the Family Restaurant, Carlingwood Shopping Centre, Ottawa. More information can be found at www.qcwa70.cyberus.ca

RAC (Radio Amateurs of Canada) have a new President - QCWA member Kenneth Oelke VE6AFO. QCWA member Bill Rothwell VE3FGW is their new Treasurer.

Joan Powell VE3ZC - Secretary/Treasurer

Chapter 73, Southern Ontario

The meeting was opened by President Earl Mann VE3EHM at about 10:15 AM on May 1/99 at The Plainsman Restaurant on Hwy # 5 in Dundas. A total of 81 members and guests attended.

Our guest speaker for this meeting was Herb Hilgenberg, VE3LML of Burlington. Using a video projector Herb described, how he provides weather forecasting information for sailors aboard the "yachts at sea". Using SSB marine band equipment operating on 12.359 MHz, and a home brew "X" beam he communicates on a daily basis with sailors anywhere from Bermuda to the Caribbean, and sometimes beyond. His station has been granted a special Industry Canada license. He is active 8 hours a day, 7 days a week year round, strictly as a hobby. His talents and service were developed after a personal bad weather experience while sailing to Bermuda some years ago.

Left to right: Bill Maiken VE3IAP (guest), Croft Taylor VE3CT (VP), P. Valeriote VE3DSC, Bob Morton VE3BFM. In background is Gordon Barber VE3AAH and his wife "Bud".

A moment of silence was held to remember the silent keys who passed away since our last meeting in October '98 : Richard Davis VE3LIR, Jean Card VE3CKH, Norman Busk VE3AGW, H.S. Van Winkel VE3FWE, Jim Millar VE3AGC, Gordon Mac Farlane VE3YF, Bill Bushell VE3DXY, Bob Rotenberg VE3AKN and Hans Wetzel VE3MLL.

The following New Members were welcomed by the Sec/Treasurer Scott Martin VE3SZ, James Cull VE3ND, Ernest Crump VE3OU.

A motion that Chapter 73 apply for Club Affiliation with Radio Amateurs of Canada was duly seconded and passed.

Pres. Earl outlined and discussed his letter to MPs regarding Industry Canada's proposed changes to the Amateur Service and some of the replies received. Since nothing official has been heard, it was decided that he should write a follow-up letter, querying the present status of their proposal.

Pres. Earl reported that the Convention 2000 committee has had some meetings & will meet again in

Left to right: Earl Mann VE3EHM - President and Harold Braun VE3DWN - Secretary/Treasurer.

Left to right: Herb Hilgenberg VE3LML - guest speaker and Harold Braun VE3DWN - Secretary/Treasurer.

May. The committee has already lost two members with the untimely passing of Bob Rotenberg VE3AKN & Hans Wetzel VE3MLL. Bob was in charge of Hotel arrangements and had signed the contract with the hotel. The convention will be held in Toronto, Oct 12-15, 2000.

Fred Hammond VE3HC, who is confined to a wheelchair since his stroke last June, arrived about 12 noon via the St. Joseph's Hospital van. Fred was presented with a QCWA Gold Certificate commemorating his 70 years as a licensed amateur. The presentation was made by QCWA Vice - President Croft Taylor VE3CT of Kanata, ON. Congratulatory greetings received by the Secretary were read to Fred.

Tom Atkins VE3CDM, President of Region 2, IARU gave a report on IARU activities. He announced the election of Larry Price W4RA as President and David Wardlaw, VK3ADW as Vice-President. Tom outlined in detail the IARU proposals for frequency allocations and changes to the amateur bands that will be discussed at the next WARC to be held in Turkey in the year 2000. Included will be discussion about a new allocation near 5 mhz., and the possibility of some slots in the 30-50 mhz area. Vice-President Croft Taylor VE3CT of Kanata, explained the increase in the fee for QCWA publications, which will be $25.00 US for 3 years after July 1, 1999. The increase does not affect Life Members who joined before 1992.

George Roach VE3BNO, Canadian Director spoke briefly encouraging participation in the various QCWA Nets. Chapter 73 Net, Sunday 9:00 AM Eastern Time on 3773 khz QCWA CW Net Wed. 2000 Eastern Time on 7035 khz QCWA SSB Net Sunday 2000 Z on 14.347 mhz

A web page has been set up by Paul Cassel VE3SY at <www.kwarc.org/qcwa> Included is are the membership roster with e-mail addresses, newsletters and a complete history of the Chapter. Watch this page for up to date Convention 2000 information as the time approaches.

Hammond Radio Museum in Guelph The museum is closed for the Summer and is at present 60 % packed ready to move from the Curtis Rd., location to the new site at the Hammond Transformer plant on Southgate Dr. at the south end of Guelph. Current plans are to open at the new site some time in September '99. To arrange tours for groups this Fall & Winter contact the main Hammond Mfg. plant on Edinburgh Road at 519-822-2960 in Guelph, Ontario.

The next meeting will be held on October 16, 1999 at the "Plainsman Restaurant" beginning at 9:00 AM.

After lunch, the meeting concluded with a selection of some 50 door prizes as well as a selection of surplus, duplicate books and manuals from the Hammond Radio Museum.

For more information on QCWA or Chapter 73 contact the Secretary at <ve3dwh@kwarc.org> or the callbook address.

Harold Braun VE3DWH Sec/Treas. Chapter 73

Chapter 75, Central California Coast

Our spring luncheon was held on Saturday May 1, 1999 at Maria Del Sol restaurant in Santa Maria, California. The buffet provided BBQ TRI TIP & ROAST TURKEY along with salads, veggies & dessert and after an attitude adjustment time from 1200 to 1300, luncheon was served at 1:00 p.m. with more food for everyone than they could eat!

The speaker was Sheriff Commander Bruce Correll of our local sheriff's office on Foster Road. The subject was regarding law enforcement in our time, the year "1999". After an interesting question & answer time, a raffle was held giving away several trays of fresh strawberries and trinkets which were provided by our President, Len Cummings.

The meeting was then adjourned for a business meeting - the election of new officers for the coming two years. Our new officers nominating committee chairman, Roger F. Vore, presented suggested names for election, however the election was postponed as more time and study was needed.

Left to right: Len Cummings W6RBB, President and Commander Bruce Correll.

Dave Kreiss W6ELH - Secretary

Chapter 81 - Long Island

Every time I sit down to report to HQ about our activities, I recall that the General Manager admonished us to write interesting stuff. Easy for him to say. We are involved in same old-same old as usual. We added members, necessary for survival, and it offset the losses from various and the inevitable causes. Net attendance is ragged, most members don't attend meetings, and we're going to a picnic this summer. More same old-same old.

I discussed the humdrum with my XYL and she said we were boring sometimes. I discussed it with W2KTF, who shall remain nameless. He gave helpful suggestions including: "Look through the old Journals and see if anybody ever wrote anything interesting; if so, copy it, change the calls and names and mail it in." Another beauty is "Make something outrageous up."

Left to right: Our new member Daniel Manfre WA2NDP, Bob Wexelbaum W2ILP and chapter president Marty Miller NN2C.

So here goes:

"One of our long time members, Oscar Boscar, was feted recently for a remarkable achievement and was awarded a prestigious honor upon his return from a period of service in the air campaigns over Yugoslavia. At the age of 94 he won an Air Medal for handling NATO communications with his MacElroy bug when the NATO sat links were knocked out by East Bloc jammers. Thank you Oscar." Down to earth the photo shows new member, Daniel Manfre, WA2NDP with Bob Wexelbaum, W2ILP and President Marty Miller, NN2C. Dan makes our meetings from a good distance and it helps to have folks willing to make the effort.

73, Doc Carroll Hamlet W2QBR - Secretary

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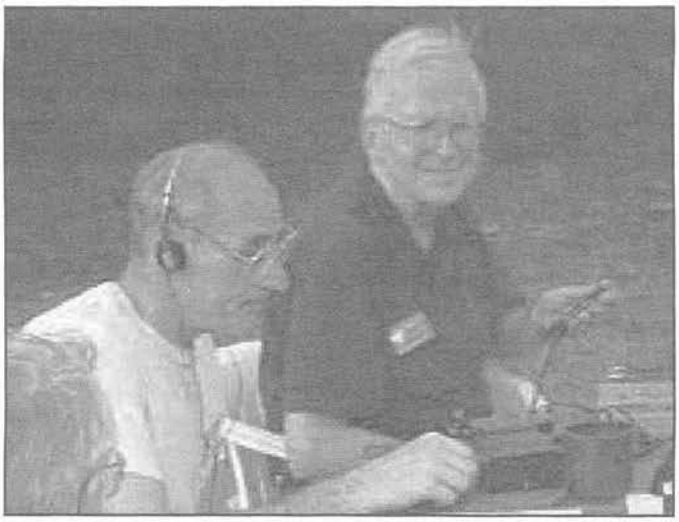
Chapter 91, Vic Clark

Jack Bobbitt W4HV
65-Year Certificate

Bill Miller K4MM
60-Year Certificate



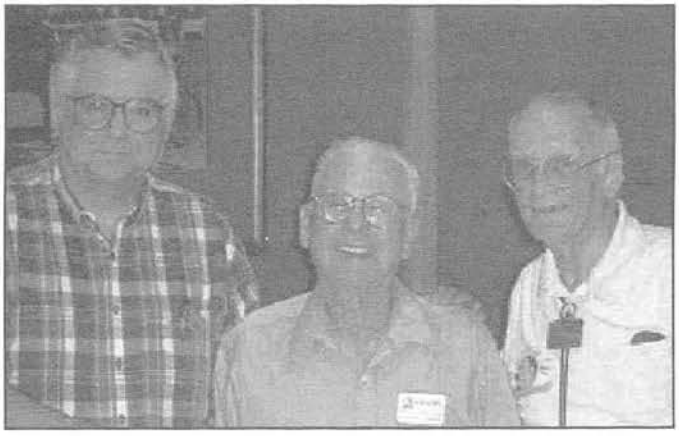
Al Camaratta W3AWU and Al Wheeler WB4JJJ, our two FB QRP CW operators.

Dale Harris W4DM
55-Year Certificate

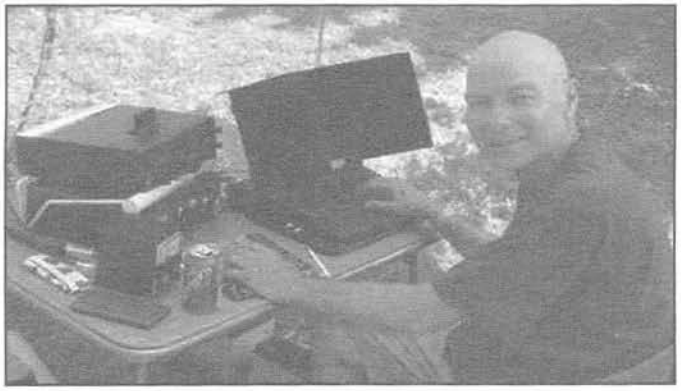
Frank Brooks W4UMC
Century Club (104 years)

Terry Hines N4ZH and Jay Jackson W4VG have "thumbs-up" confidence in Terry's homebrew 15m quad.

Despite the 85-degree heat, Chris Ramsey N4YE is cool as a cucumber woring 72 CW contacts per hour.



President Terry N4ZH, Milt Snyder W4AWL - Century Club, and Jack Kelleher W4ZC - past QCWA National President.



Dick Rucker KM4ML with his PSK31 equipment at Field Day. At our Awards Meeting, Dick received a 50-Year Certificate and the QCWA Meritorious Award. Congratulations and thanks for the outstanding service!

Absent from meeting: Bob Arrowsmith K4JN - 70-Years & 101-Years Century Club.Bob Cannon W4IGO and Elmer Jones K4EUX - 65-Years. Walt Quitter NC4B and Ben Shaver AA4XU - 50-Years. Montie Cone WA4PBG - 102 years Century Club.

Field Day: We were 5A, all QRP (mostly home-brew), with battery power. 40, 20, 15 and 10m CW; 15m phone; 40 & 20m PSK31. Other Ops: Lew Bradley W4SWP and Jim Wilcox W3WV; non-members: Judi Booker K3HB, Bill Harding N4HK, Lee Garlock KD4RE and Jake Carter N4UY.

Chapter 98, Dogwood

Pres. George Puhl VE7BKB, called the meeting to order at 11.45 hours. He asked that someone pick up the gauntlet of President this year since he was having health problems. There were no volunteers for this post. Treasurer Dave Gilmour VE7YG presented his year-end audited Financial Report which showed the club to be in a healthy financial position. Auditor was Sid. Chapman VE7BYX.

Dave Gilmour presented the Plaque containing the names of Silent Keys from the Chapter, and indicated that seven new names would be entered. Those include: Al. Vinning VE7LL, Rev. John Hill VE7DG, "Hammy" Anderson VE7HM, Ray Butterfield VE7BYG, Dick Harlow VE7BRH, John Goodfellow VE7CGO, and Mort Mortensen VE7KM. A two-minute silence was observed in memory of our Silent Keys.

John Smith, VE7AYI, conducted election of officers. Elected were PRESIDENT: George PuhI, VE7BKB, SECRETARY: Bill Williams, VE7FHV, and TREASURER: Dave Gilmour, VE7YG.

A special tribute was paid to Ernie Savage, VE7FB who held the post of Secretary for some twenty-one years. Fitting accolades were presented for the great services he, his wife Edna VE7SH, and son James VE7HMS have provided over the years. Ernie has been a stalwart in the history of Amateur Radio in western Canada for many decades, but at 88, he says he's "retired".

Following a short dissertation reviewing the Chapter activities over the years, Ernie brought greetings from his family, thanked the membership for their steadfast support, the presented the Official QCWA Banner, and the Chapter Books, etc. to the new Secretary, Bill Williams. A "Thank You" was also extended to Gladys Clark, XYL of Tom, VE7TE for looking after the Welfare and Sunshine cards for the group. Bill Williams has agreed to include this item in his role as Secretary.

It was reported that we held 7 Breakfast Meetings, plus 2 Brunch Meeting in the past fiscal year. One meeting included a Guest Speaker, and another, a display of vintage equipment.

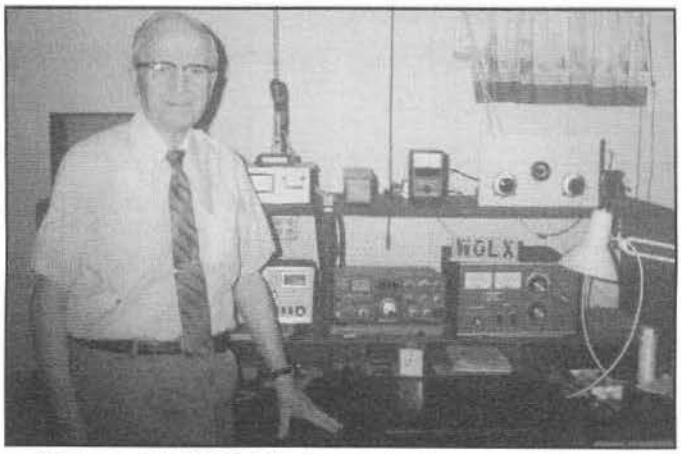
NOTE: New Mailing Address for the Dogwood Chapter, Q.C.W.A. will be: C/O Bill Williams, VE7FHV, 9454 -125th Street, Surrey, BC, Canada., V3V4X6 Telephone (604) 584-2236

Chapter 102, Dakota

A Gentle Person and Perfect Gentleman

Al Gowan - WØLX QCWA #18623

Alfred M. Gowan, WØPHR (former call). Born 1 December 1910. Education: Iowa State Teachers College and University of Iowa. Has an NC-183D receiver and composite transmitter running 300 watts. Emergency use, has an AC generator. Enjoys building equipment. Learned code by listening over the air. Has held Amateur Class Extra First, Class A, Advanced licenses and First Class Commercial Phone with Second Class Commercial RadioTelegraph licenses. (The above information excerpted from Who's Who in South Dakota Hamdom, dated September 1954.)



Al Gowan WØLX in his downstairs basement station used mostly in summer months since it's cooler.

Al was first licensed in 1933 and during World War II, because of his Amateur Radio experience and code proficiency he was employed as a civilian instructor by the United States Army Air Corp at Scott Field, Illinois and Sioux Falls, South Dakota. He was Coordinator of Instruction for Radio Theory at the Army Air Corp Radio Schools.

Al is an educator, taught in Iowa public schools from 1932 to 1942. He has BS, MA and L.H.D. degrees. He retired in 1976 as The Academic Dean and Consultant to the President of the University of Sioux Falls.

He was Director of the ARRL Dakota Division from 1952 to 1960. Al served 2 terms without standing for election, stepped in as the Alternate Director due to a resignation and then served unopposed.

Al Gowan WØLX in his upstairs station used mostly in winter months since it's warmer.

Gowan is a member of the Sioux Empire and Tri-State Amateur Radio Clubs. He is a founding member of the 3900 Club. He holds several Code Proficiency Certificates and has been active though the years on CW nets and traffic handling. He is a Volunteer Exam-

iner. Al is an active member of QCWA Dakota Chapter 102 and the Lee DeForest Chapter 123.

Al has 2 separate ham stations, one upstairs used in the winter and one down stairs in the basement for use in the summer. He has a Kenwood T5830 and T5440 transceivers. Kenwood 241 and ICOM 2000 2-meter rigs, a Collins 30L1 amplifier, a trap dipole and a tri band beam.

Al and Faye Gowan were married in 1940. She enjoys sports, does volunteer work at the hospital and is active in the Shriner's Hospital Auxiliary. She too is a retired educator.

Everyone respects Al. An extremely knowledgeable man in many areas, people seek his advice and he is often called upon to lecture and relate his experiences of the early days of radio. He is always ready to help. He is a gentleperson and a perfect gentleman, an outstanding roll model for anyone. Al Gowan WØLX is everybody's Elmer. A generous man, he has donated his complete bound set of QSTs to the QCWA Museum in Omaha.

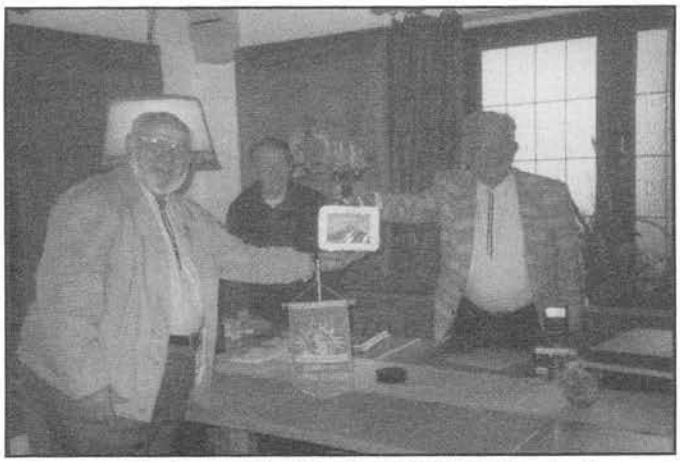
Roger Kehm KØROG - Vice President

Chapter 106, German Chapter

The German chapter gathered for the annual luncheon and chapter meeting on the 14th of May in Eisenach. Some of our members even came a few days before to visit the nice city and the Thuringian Forest surrounding it. At the luncheon, 21 member and 17 XYLs, which accompanied their OM, sat down in the basement of the 'Hotel at the Bachhouse' and enjoyed the prepared meal. After everyone had finished, the secretary asked the members to start the annual meeting in the conference room.

After the reports of the chairman and secretary, the election committee announced the election results which is always conducted by mail: The new Chairman is Siegfried Prill DC9XU. All other officers were re-elected.

The first task of the new chairman was to thank the past chairman for his twenty-year long duty as a secretary and chairman for the Gernam Chapter. He gave him and his XYL a little present as a memory of Eisenach. The next annual meeting will be held the May 12 & 13, 2000 near Klingenthal in Vogtland.



The new Chairman Siegfried Prill DC9XU thanks the past President Albert Leinemann DL9AR for his 20years of work for the chapter.

After the Meeting the OM returned to their XYLs and the evening ended with many talks over beer and wine. The next day all who had not been there before, visited the famous castle 'Wartburg', where Dr. Martin Luther translated the Bible into German in the 16th century. After lunch again in the 'Hotel at the Bachhouse' a guided tour through the old city of Eisenach was held and all participants listened to the words of the guides. This was the official end of the annual meeting but some of the participants stayed another day or more in Eisenach.

Werner Lembcke DL1ZC - Secretary

Chapter 109, Baton Rouge

Our Baton Rouge Chapter 109 held an informal gettoqether at Podnah's on the 13th of February and it was very well attended. There were 13 members and 12 guests present. Door prizes were won by member John, W5GGG and guest Louise (XYL of K5XA). We try to meet about 4 times a year.

Congratulations go to Walter "Pharoah" Spencer, KC5ZZ who is our l998 distinguished member of the year. A nice framed certificate was presented to Pharoh at our March Ham Club meeting. Each year a new member is picked for this award and is determined by his or her participation in our Chapter activities,

Walter F. "Pharoah" Spencer KC5ZZ displays his 1998 Distinguished Member of the Year certificate.

Our Chapter has an on the air meeting every Sunday morning at 0830 hours local time throughout the year. The frequency is 3,905 kHz and all QCWA members are invited to check in with us.

El Charlton W5MD

An old Country/Western Song Title

"I don't know whether to kill myself or go bowling."

Chapter 110, Kansas

The Kansas Chapter #110 had its joint meeting with the Kansas Nebraska Radio Club at the annual joint-picnic in Concordia May 8th.

Don Fitzgerald, KAØIC won the hidden transmitter hunt, and adds the trophy to his collection. WAØUXI, from Wamego provided the blue-ribbon ham for the event with participants bringing non-meat covered dishes. More food than we could eat, and a wonderful visit with all!

The chapter voted to have an information booth at the Kansas ARRL convention in August in Salina.

A letter has been sent to all chapter members asking for volunteers to man the booth.

Wendel Wilson WØ0TQ Secretary

Chapter 112, Yankee

The Yankee Chapter Annual Meeting was held at Dewey's restaurant in Lakeville, MA on April 24 with thirty-three members and guests in attendance. After our meal, election of officers for 1999/2000 was held. They are: President, Ernie Bosselman, W1DO; Vice-President, Fred Ravens, Jr., K1QLG; Secretary/Treasurer, Chuck Walbridge, K1IGD; Activity Director, Chet Tammany, K1LII; Net Control, Al Fruzzetti, K1JJJ; and for the Sunshine Fund, Joe Santangelo, N1JS. Congratulations to you all!

After election of officers, awards for years of being licensed were presented to two members; N1JS, Joe Santangelo for 60 years and W1TSN, Don Lester, also for 60 years. Joe's award was presented at the meeting and Don received his on the previous Sunday during an 80th birthday party held in his honor after Sunday church service. Don and Joe handled CW traffic in 1939 and 1940 but did not meet until both were in the same boot camp at the start of WW Two. Congratulations to you both!

Joe, N1JS, receiving his 60-year award from Chuck K1IGD.

Don W1TSN, receiving his 60-year award from Chuck, K1IGD.

A vote to send a donation to the scholarship fund was approved in memory of the following Silent Keys: Joe Poges, W1EED, John Titterington, W1EOF, and Harry McDade, W1LMIJ.

Member Dave Rego, W1CCA, presented a talk on the French Cable Station museum located in Orleans on Cape Cod. The station was closed on November 24, 1959 with all equipment left as it was used. Playing a role in both WW One and WW Two, newer technology made the station obsolete and was closed. Many thanks to Dave for an interesting presentation.

Chuck Walbridge K1IGD - Secretary

THE JOURNAL IS AVAILABLE FREE TO BLIND PAID-UP MEMBERS ON AUDIO CASSETTE TAPE. FOR MORE INFORMATION, CONTACT TOM CARTEN, K1PZU (tfcarten@kings.edu) or BLANCHE RANDLES, W4GXZ (w4gxz@juno.com)- (MAY 1-OCT. 1) 44 Western LN. Amherst, MA 01002 PH: (413) 256-0179; and (OCT. 1-MAY 1) 6002 N. Fremont, Tampa, FL 33604 PH: (813) 870-0867.

Those who can't laugh at themselves leave the job to others.

Chapter 122, Lake Erie Tri-State

The second meeting of 1999 was held on June 19th at Boss' Steak and Sea House in Erie, PA. It was an enjoyable event, comparable to several meetings held last year, which featured interesting topics presented by Matt Shields of Penn State University. Fortunately, no program was planned for the April 24th meeting. The banquet room was packed with other groups who selected the same day for their meetings. Without the isolation of solid partitions, the noise from numerous conversations would have made any presentation impossible; it was difficult for casual cross-table conversation.

Matthew Shields, Project Assistant, Pennsylvania State University.

This was the fifth presentation by Matt Shields. Assisted by an overhead projector, he spoke about Nuclear Power's Role in the Energy Mix to explore the methods of electricity generation, from sources including coal, nuclear power, natural gas, hydropower, biomass, oil, wind and solar power. Nuclear power's role in this mix is emphasized; discussion of generation economics, environmental impact and public perception of all sources increases audience understanding and addresses concerns. Matt fielded questions during and after his talk. Other Pennsylvania Chapters take note, Penn State University offers this series of topics to groups anywhere in Pennsylvania. If interested, contact Matt Shields regarding the PELLRAD Program on Radiation at, The Pennsylvania State University, USB#1, Suite B, University Park, PA 16802, or phone 1-800-321-6789 There is NO CHARGE for any of the PELLRAD Topics.

A brief business meeting informed the membership that although no meeting was last August, the time of the year when picnics were held, anyone wishing to suggest a place, or offer their backyard, the Board members will gladly discuss any expectations and contributions to make the event possible this year. Members were reminded that elections would be held at the Annual Meeting in late October, or early November. Candidates for office are encouraged - we need you!

Door prizes were awarded, Bernie Alcorn, WA3EZR, won the one-a-year dues refund; Lois Quiggle, XYL of Dick, W3NGO, won the YL $5 Dinner Refund; Dorothy Yusz, XYL of Joe, W3KKT, won a woman's purse calculator and Joe won a QCWA cap. The $5 Voucher toward non-member QCWA membership, within the chapter area, was unclaimed.

Ed Shunk, W7JTN, of Tucson, Arizona, a. potential QCWA member was a guest of Bernie, WA3EZR. Ed and Bernie have been buddies and visit eyeball every year.

Lastly, Millie Morrison, widow of Don, W7LET, was in Erie for the funeral of her brother, Al Niles, WB3KHK IN April. She took a memorial book from Chapter 122 for Don and personally delivered it to the Peoria Public Library in Arizona, on Monroe Street. The book, Tesla: Man Out of Time by Margaret Cheney, has not been on the shelf and we have yet to receive a note of acknowledgement. Phoenix area QCWA members be on the look-out for interesting reading.

G. Paul Gerbracht W3QPP - President

Chapter 134, Pine Tree

At the March meeting of the Pine Tree Chapter, conducted by President Bill Woodhead, N1KAT, there were 20 members and guests in attendance. The meeting was held at the ARRL Maine State Convention and Andy Hamfest where a QCWA table was set up with the usual QCWA related items for sale and where application forms and informational material was handed out to interested passers by. Several people picked up application forms and info packets. We hope they will follow through by completing them. Harold, W1EES, offered his assistance to anyone who needed help in filling in the blanks.

During the meeting QCWA Awards were presented to two of our members. The 65th Anniversary Award Certificate was given to Dick Baldwin, W1RU, and a 50-Year Certificate to Norm L'Heureux, W1SCM.

Dot Young, W1TGY, gave a report of the Chapter Nominating Committee and presented a slate of officers for the 1999 election. Harold Chase, W1EES, National Director and Chuck Walbridge, National Secretary made brief remarks.

We received word recently that Leslie Coffin, W1IQO, a Charter Member of the Pine Tree Chapter had become a silent key after a long illness. Les will leave a big gap in the family of this Chapter. He was 91 years old.

The next luncheon meeting will be in the Bangor, Maine area on June 5. Gerry Burns, K1GUP, Will check on facilities for that event.

Phil Young, W1JTH,

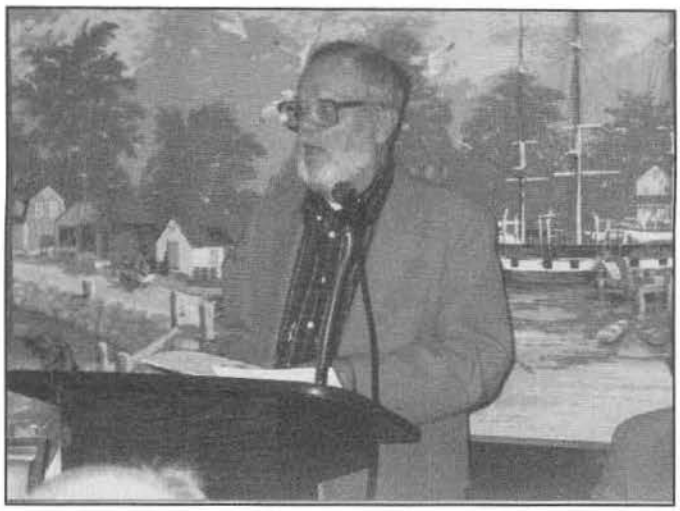
Chapter 149, Nutmeg

Nutmeg Chapter 149 held its spring meeting at the Yankee Clipper Restaurant, Niantic, CT on May 8th with 58 members and guests attending.

Following a brief business session and an excellent meal, Al Cohen introduced our guest speaker, "Ronny W." of Gamblers Anonymous, who described his experiences as a compulsive gambler. He then described the methods his organization employs to help compulsive gamblers reclaim their lives. With the advent of large casinos in our State, compulsive gambling has become a serious problem.

Highlighting our meeting was the presentation of a plaque from National Headquarters to Robert York Chapman, W1QV, honoring his 75 years in Amateur Radio.

John Huntoon, W1RW, former ARRL officer and director of QCWA made the presentation after reading a detailed report of Bob's career with the Navy in the development of sound reduction techniques for submarines and as an Amateur Radio operator, ARRL Director, and founder of the ARRL Foundation.



John Huntoon W1RW announces the award of the 75-year plaque to Robert Chapman W1QV.

Others who congratulated Bob included Chuck Walbridge, W1IGD, Secretary of QCWA; Harold Chase, W1EES, QCWA Director and our chapter president; and Dave Sumner, K1ZZ, Secretary of ARRL.

VP Tom Evans, W1JC presented additional Certificates to Charles Griffen, W1GYR, a Meritorious Award for four years of excellent work as editor of THE RECEIVER, our chapter newsletter.

Fifty-Year Achievement Awards were presented to Owen S. Gardner, K1AF, and William D. Hart, KC1TX. A Sixty-Year Achievement Award was presented to William L. Conrad, K1TUK.

Newly elected Chapter President Wade Holcomb, W1GHU, and Vice President Paul Taylor, K1AFI, were formally introduced. They, along with incumbent officers, Secretary Don Steele, W1NFG; Treasurer Richard Monahan, K1FPP; Activities/Net Manager Calvin Bennett, W1KHL; and Newsletter/Website Manager Walter Yatzook, W1ATV, will constitute our Board of Directors for the new year.

The meeting concluded with a photo session.

Tom Evans - Vice President

Chapter 154, Leo I. Meyerson

The Leo I. Meyerson Chapter continues to roll on under the leadership of President George Underberger and Secretary Treasurer Norm Friedman. In January we had a video on the Heard Island DXpedition and in February we had RickCook from the Riverside County Fire Department who spoke to us about the role communications plays in disaster response, combating terrorism and solving Y2K computer problems. In March our Chapter member Don Guy, KC6WLF, and RACES Director for the Coachella Valley filled us in on his program. In April we took a Field Trip to the Sunline bus yard and heard about their emergency response program and the alternate fuel being used in buses here in the valley. Forward Looking InfraRed (FLIR) radar in a helicopters was the program for May presented by the California Highway Patrol. Great for finding warm bodies in the dark of the desert. And the June program was all about alternate fuel sources for motor vehicles. Our buses run on CNG here in the valley and there is considerable work being done to use Fuel cells reacting Hydrogen and Oxygen to produce electrical power. All of the above demonstrates the wide range of programs Prez George is using to build attendance and spirit within the Chapter.

This month we honored four Chapter members with their 50-year plus awards. There were actually 10 to be presented. If you had one coming and didn't pick it up, give George a call and he will arrange to get it to you.

Left to right: Harry Novak K6HBF (50 years), President George Underberger W6WAS (55 years), Bruce Peterson W6JWI (65 years) and John V. Neal W7VH (60 years), proudly show their certificates.

The Chapter will not meet in July, August or September but will resume in October. Watch your bulletin for the meeting announcement, location, etc.

We continue with the planning for the Annual Spring Luncheon to be held on February 12th 2000! Mark your calendar now and line us a guest, Our featured speaker will be Vince Thompson, K5VT, and Lew McCoy will handle one of the seminars. Incidentally, Lew was married on May 1st in Phoenix where he now lives. Phyllis and I were honored to be there!

Don Doughty W6EEN and George Underberger W6WAS

Chapter 160, Utah

Our 1st Mesquite Frolic took place February 22, 1999. It was a combined meeting with Hoover Dam Chapter #44 with 22 in attendance. We had an hour meeting before we went to dinner. It was a good start and we all had a fun time getting aquainted.

We moved the meeting to March, hoping for better weather for travel, and from Monday to Tuesday to get away from week-end crowds. We meet at the Ball Park Pavilion from mid-morning 'til later afternoon when we break for the banquet. This year we had 57, coming from Arizona, California, Idaho, Nevada and Utah. It

Mesquite Frolic 1999 From left: - Phil KØ7R & Guen. Charlene & Les W6NFO, Oscar W7BIF & Susanne, Buck W7UG & Aretas (seated), Tony W6UQE & Lucy, Nona & Kay K7AXT (seated), In Front - Maryellen KA7ZRW, Margaret & Cal W7LRX, and Bill W7CKD. Attending but not in the picture: Bob, N7JXT, Doug, W7FSC & Audry; Trig, KO7H & Floss. -Photo by Norm, W7PBV

was a good day, the weather was perfect and the company was great. It was a fun filled 2 days; or longer if you had the time.

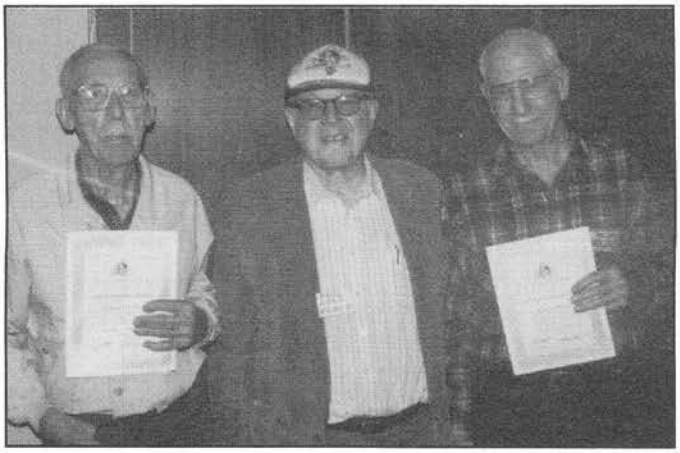
Chapter 169, Sacramento Valley

We have moved again. We are now meeting at the WAFFLE SHOP, 6239 Fair Oaks Blvd., Between Marconi and El Camino Avenues, in Carmichael. The dates and times are still the same: we meet the second Wednesday of each month at 7:30 A.M. and ending about 9:30 A.M. We eat breakfast first, followed by the business meeting at 8:00 A.M. after which there usually is a speaker or other program of interest to amateurs. Then a prize raffle is held. Ladies and XYL's and visiting hams are always welcome.

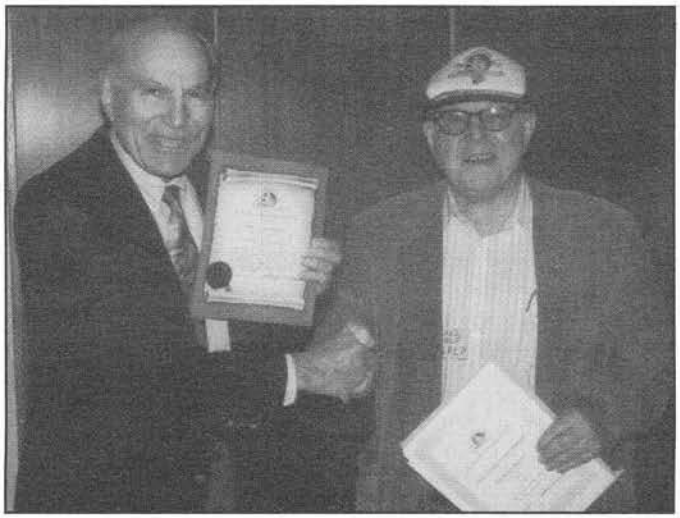
At our April 14 meeting, we listened to one of our local hams John Menz NT6M, who described his experiences working overseas for the Food and Agriculture Organization of the United Nations. He worked in many countries in Central and South America, Africa and the Caribbean and operated his amateur radio station from all these countries.

At our March 10 meeting, we heard an informative talk given by Peter Onnigian, W6QEU, who spoke on antennas of interest to amateurs. After the talk, Paul Wolf, W6RLP, Chapter President presented a QCWA Meritorious Service Award and a 60th year achievement Award to "Pete" for his contributions to amateur radio. (see photos). Then, 60-year and 65-year QCWA service awards were also presented to Carl Harvey, W600R, and Jim Allen, W6IQH (see photos).

All QCWA members and other interested Radio Amateurs in the area are cordially invited to attend our meetings. Please call our Secretary Bill Hendrick, NS6D, or me for more information and/or instructions on how to get there. The numbers are 916-489-8112 or 916-925-5858. Hope 2 CU visitors soon. Come visit us.



President Paul Wolf W6RLP (center) presents 60- and 65-year awards to Jim Allen W6IQH (R) and Carl Harvey W6OOR (L).



Paul Wolf W6RLP (R) presents Meritorious Service Award to Peter Onnigian W6QEU (L).

Left to right: Harry Simon KD6SB (50-year Certificate, Bill Easton W6UYD (55-year Certificate and Paul Wolf W6RLP (60-year Certificate.

Chapter 169 continues the search for a permanent meeting place. Currently we are meeting at THE WAFFLE SHOP, 6239 Fair Oaks Blvd. in Carmichael, CA. The location is between Marconi and El Camino Avenues. Breakfast starts by 7:30 A. M. with a business meeting at 8:00 A.M. These Chapter meetings take place on the SECOND WEDNESDAY of each month.

For the first time in 10 years, the Chapter has some new officers. Led by our President, Paul Wolf W6RLP, we have Bill Easton W6UYD, as Vice-President, Bill Hendrick NS6D, as Treasurer and Gary StilwelI KI6T as Secretary. Hearty congratulations are due for 10 years of service to Chuck Eder W6LOE, past Vice-President and Bill Hendrick NS6D, past Secretary. Thanks guys!!

During the past quarter, the Chapter awarded 50 year SERVICE AWARDS to John Webb W7GE. Howard Tumidge W6DFX, Harry Simon KD6SB, and Walter Richards AC6MY. A 55 year SERVICE AWARD went to Bill Easton W6IJYD; 60 year SERVICE AWARDS went to Paul Wolf W6RIJP, Peter Onnigian W6QEU, and Carl Harvey W600R; and a 65 year SERVICE AWARD went to Jim Allen W6IQH. Also awarded was a MERITORIOUS SERVICE AWARD to Peter Onnigian W6QEU.

During the quarter we had monthly speakers tantalizing us with information about home antennas, mobile antennas, working for the United Nations, operating Amateur Radio overseas, and a recap on the Dayton Hamvention and FCC forums.

The Chapter is participating with the Society of Wireless Pioneers in net operations on 3947.5 kHz daily Monday through Friday at 5 P. M. All Chapter members are invited to check in.

QCWA members and other Radio Amateurs, including XYL's are cordially invited to attend our meetings. Call Paul Wolf W6RLP, at (916) 489-8112 or Gary Stilwell KI6T, at (916) 961-6659 for more information or meeting locations.

Paul Wolf W6RLP - President

Chapter 170, Central Washington

Secretary Floyd Riemenschneider K7MGA, is all set for action at the local hamfest in Yakima.

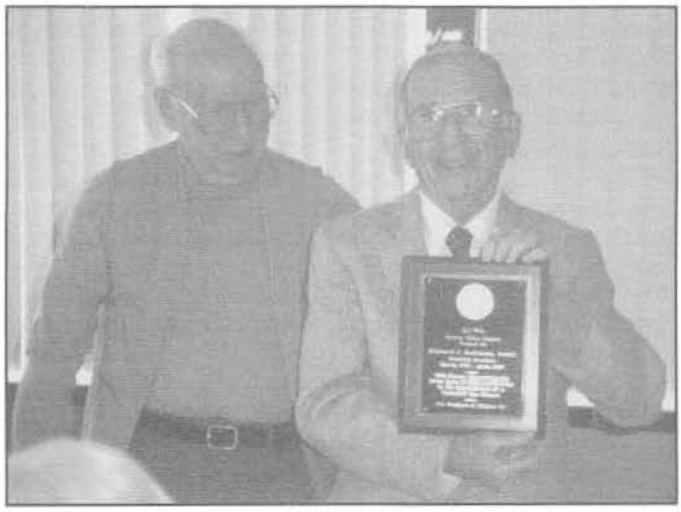
Chapter 181, Hudson Valley

The Chapter held its Annual Meeting on April 24th at the Port Chester Coach Diner. We set a new record for attendance with 37 members and guests present.

Our speaker, Cliff Goff, KC2CXL, a computer systems engineer with Hitachi Data Systems, has become an expert on Y2K. He reported the considerable progress being made in solving the problems that would have been caused by omitting the first two digits of the year number in program writing practice. He said that if the changeover from the 1900's to the 2000's had happened on January 1 of this year, there would have been many serious problems. However, by January 1, 2000 only a few anomalies and random problems will occur - in this country!

QCWA Awards were presented to several members. 50-Year Gold Certificates and 50-Year Continuously Licensed Awards were earned by Richard Meirowitz, WA2ELE and Elliot Shwartz, W2DIE. A 55-Year Gold went to Dick Robinson, W2OZA, and a 60-Year Gold to Jerry Mulberg, W2MJP.

Chapter 181 members who received QCWA Awards included, from the left, Jerry Mulberg W2MJP, Elliot Shwartz W2DIE, Dick Robinson W2OZA and Richard Meirowitz WA2ELE. Photo by NJ2J.



New and old presidents. Harry Moore W2JQS, looks over the shoulder of retiring president Dick Robinson W2OZA, to whom he has just presented a special plaque. Photo by NJ2J.

The nomination list had only one candidate for each position so the Secretary was instructed to cast a single vote to approve the entire list. The principal change is the resignation of our founding president and vice president, with both individuals remaining on the board. The new roster includes: President, Harry Moore, W2JQS; Vice-president, Sy Yuter, W2NBT; Secretary, Dick O'Brien, NJ2J; Treasurer, Stan Egelberg, W2WQK. Directors are Manny Cohen, K2ILF: Julian Hellbroner, KD2ADT; Lou Leonard, WA2UIJ; Jerry Mulberg, W2MJP; and Dick Robinson, W2OZA.

Retiring President Dick Robinson, with a few appropriate comments, turned the meeting over to newly elected President Harry Moore. Harry made a few comments and presented to Dick a special plaque commemorating his 7 years of service as our leader.

The closing raffle this time included a handsome painting created by member Gus Psaras, WA2KQR, who has become a recognized painter in his retirement. Harry Moore and Sy Yuter conducted the raffle

Dick O'Brien NJ2J - Secretary

Chapter 188, Lost River

In November of 1998 our Chapter celebrated it's 5th anniversary. At that time Bob, WA7IZU, donated $25 toward a fund to purchase a Chapter banner. By the next meeting several other donations were made by Phil, W7BW, Roy, W7SBU, and Tom, NV7N for the banner fund. The picture shows the new banner for our Chapter with our Secretary, Don, W7IEO, helping to display the banner.

Don W7IEO shows off the new chapter banner.

Be the change you want to see in the world.
GANDHI

Left to right sitting: Roland W6UCF, Phyllis K7WVT, Don W7TDX, Nina KB7RRO, Gertrude (XYL W7SBU). Second row: Phil W6ZOF, Barbara K8FTG, Sally (SYL W7BW), Carolyn AB7ET, Tom NV7N, Ray K6VX. Third row: Dick K7DDI, Phil W7BW, Ruth K7RFO, Roy W7SBU.

Carolyn Brooks AB7ET - President

Chapter 201, Gem State

The Gem State Chapter #201 has been busy this spring! In May, Neil, W7MAF and Rex, K7OLJ, manned a QCWA recruiting booth at the Caldwell Hamfest. Several information sheets were handed out and 4 memberships in the chapter were signed up.

The May 25 meeting at the Chuck-A-Rama in Boise had an all-time record turnout. We hope this was due to the publicity at the Caldwell Hamfest, but at any rate, several new members were signed up. As of June 1st, our membership is at 23!

Left to right: Chapter President Neil W7MAF, Alan W7IWU, and Chapter Vice President Rex K7OLJ at the recent Caldwell Idaho Hamfest.

QCWA members helped operate a Field Day station during the recent Boise Riverfest in June. The call sign of the station was W7VOI and was put together by a joint effort of the Gem State QCWA members and the Voice of Idaho Radio Club. QCWA members who operated the station included Neil, W7MAF, Ed, W7IZZ, Al, N7AL, and Cecil, W7DOH. Alan, W7IWU, was the official photographer. Thanks to Ted, KI7BP, for the loan of the vertical antenna.

The Gem State Chapter #201 continues to meet the last Tuesday of each month at the Chuck-A-Rama restaurant at 7901 Overland Road in Boise. We get together at 5:30PM. If you are in the area, stop in and join us!

Rex Green K7OLJ

Chapter 202, West Virginia

The meeting of QCWA "Old Dominion" Chapter #202 was held at the Franklin Restaurant near Rocky Mount, VA on June 12, 1999.

Prior to eating Charlie Beckwith gave the invocation. Following a delicious breakfast, the meeting was called to order by President Smith at 9:15 AM. Buddy welcomed all in attendance.

Bill Svec talked a bit about his two-week visit to the Slovak Republic in late April. He traveled back to his roots and was able to find the house where his grandfather lived. Buddy prevailed on Bill to give a more detailed account of his trip at the next QCWA meeting.

Stan Reas reported that there was $98.42 in the treasury, of which $37 was earmarked for the QCWA Scholarship fund.

Buddy then relinquished the chair to Vice President, Bill Svec in order to make the motion that the Old Dominion Chapter send a check to the QCWA Scholarship fund. Ken Post seconded the motion and it was passed unanimously. Additional donations were received and a check in the amount of $62 will be sent.

Charlie Beckwith moved that the present officers be retained for the "next cycle". Riley Dudley seconded this motion and the motion was approved unanimously.

Charlie Beckwith reported that the Franklin County Amateur Radio Club site for Field Day this year will utilize the bigger pavilion and he urged all QCWA members to come to the site where they will be most welcome and be able to find some equipment to operate. Ken Post commented that he felt the Field Day had become less of a contest and more of an emergency preparedness operation. He felt this was good. All agreed with Ken.

Sandra Post advised that there would be ARES training session at VPI in McBride Hall on July 24. In addition to training sessions there will be a tour of the Weather Service facility. This will be an all-day event from 9 AM till 4 PM.

The meeting was duly adjourned, after which Stan Reas gave a program describing his trip to Switzerland and his operation from HB9/K4UK in the small village of La Cote-aux-Fees. He showed the Ten-Tec

Left to right: Leland Smith Jr. W4YE, Key Bay W4UQ and Stan Reas K4UK. W4UK receive 50, 55 and Century certificates.

Model 1320 QRP rig he built especially for the trip and discussed the problems he found in using a Radio Shack Cat. No. 22-503 switching power supply. The unit is designed to operate with an input voltage from 90 to 260 volts 50/60 Hz. He noted that the unit produced appreciable loud "birdies" in the 20-Meter band.

Luckily he had taken along Bill Wells, W4BOT Heath HW-9 unit and its power supply worked fine with no interference. He said he worked 107 stations in 39 countries while there with 3 to 4 watts with a 20 Meter dipole and a "long wire" antenna. To all those American stations he heard and called but who did not respond he prepared a card that read: I heard you and called you from HB9/K4UK. But you didn't hear my "peanut whistle", so here's an SWL card from La Cotaux-Fees.

Stan Reas, K4UK - Secretary

A simple rainfall rate indicator

-by Ed Lawrence WA5SWD

Everyone realizes that any container that has an open top will collect rainfall and the total rainfall can be measured by measuring the depth of the water in the container. For Skywarn storm spotters, this method is quite useless, as we want to know the instantaneous rainfall rate.

I have been aware of the need for a simple rainfall rate indicator for a long time, but no one seems to have come up with one that was cheap, simple, and foolproof. Oh, yes, there are some fancy computerized gadgets, but nothing that would help a poor Skywarn spotter out on some dark road.

I discarded electronic approaches based on cost and complexity. What I finally settled on was a gauge that you can calibrate for any point you wish. I picked 1 inch per hour, as that is the rainfall rate minimum reporting criterion.

The system consists of a pan to collect the rainfall, a small tube to lead it to a larger tube which indicates the rainfall rate, and a small orifice at the bottom of this larger tube to restrict the flow rate.

Let's start with the orifice, which sounds like a critical part, but is very easy to make. Take a PL259, remove the shell and discard it. Use a hacksaw and cut off the bottom part of the center conductor. Cut off the outer shell just above the insulator. File top and bottom of this "button" smooth. Now solder the hole in the remainder of the center contact closed.

To form the orifice, simply drill a hole through the solder with a #55 drill bit. Be careful, as it is easy to snap such a small drill bit. I found it best to press down and withdraw a little, press down and withdraw a little, taking small bites until the hole is finished.

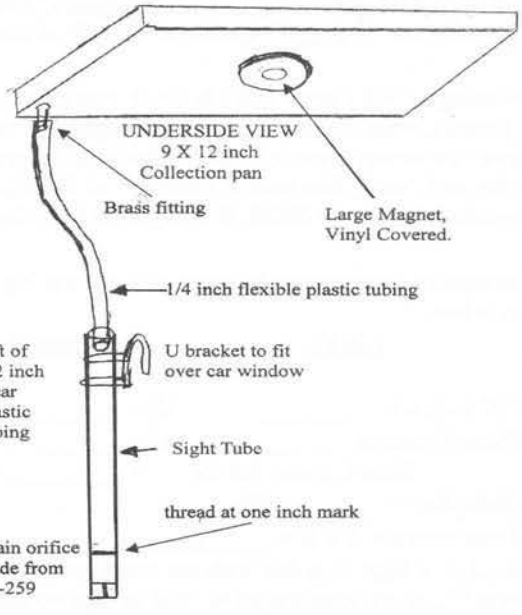
The outer diameter of this "button" is just the right size to make a press fit into a length of 1/2 in. I.D. clear plastic tubing, which I purchased at the local hardware store. All you need is a one-foot length.

You will need a calibrated plastic syringe to calibrate your rainfall rate gauge. Work at the kitchen sink with a helper for this step. First, pour some water into the tube, and allow it to drain out the orifice. A little water will remain after it quits draining. Mark this level with black electrical tape as your "ZERO" rate. Now measure up one inch from your "ZERO" mark, and tie a black thread around the tube at this point. This, naturally enough, is your 1-inch calibration!

Get a cup to collect the water that runs out the orifice and a watch with a sweep second hand or a digital watch that displays seconds. Have your helper dribble water into the plastic tube at the correct rate to keep the water level just at your 1-inch mark. Collect the water that drains out the orifice for exactly 60 seconds. Use the plastic syringe to measure this quantity.

For every 30 cc of fluid you collected, you will need 9(inches of collection area. Mine requires a 9 X 12-inch pan, which should be typical. You will need a hole in one corner to drain the water into your gauge. Drill a hole of the proper size to accept the little brass fitting for 1/4 in tubing and solder it in, flush with the bottom. Fasten the 1/4-inch tubing to it and run this tube into the tube you just calibrated. Make a metal clip like the one on a candy thermometer to support the gauge at a convenient location, and you are finished. I plan to hang mine over the car window edge, on the drivers' side.

Use some strong magnets to fasten the pan to the top of the car if you are going to use it mobile during storm spotting. Don't forget to apply some plastic tape to the bottom of the magnets to protect the paint job! Just make sure that the corner with the drain is at the low point. Enjoy! Oh, don't try to drive around with this rig on the roof, unless you use a better mounting system than the magnets. It WILL blow off!



Drawing of the rainfall rate gauge. At the lower left corner, the collection pan is the drain tube. This leads to the sight tube which indicates the rainfall rate, complete with the "U" shaped bracket which hangs on the driver's window. Note the vinyl covered magnet which serves to fasten the collection pan to the roof of the car.
To use this, just put the drain tube into the top of the sight tube. You will be amazed how light the rainfall rate is at one inch per hour! WA5SWD

Rules for the 43rd Annual QCWA QSO Parties

QCWA cordially invites all to participate in the 1999 QSO parties. All licenced Radio Amateurs world wide are invited. Before reading the following rules, it is suggested that you peruse the article "QSO Parties Revisited", elsewhere in this issue of the Journal. The article explains the rationale for some of the rule changes listed below.

Time/Dates: Two parties will be held in 1999. The first one shall commence on **13 Mar 99 at 1900 Hrs** UTC and the second one shall commence on **18 Sep 99 at 1800 Hrs** UTC. Each will run for a **period of 24 Hours**. Both CW and Phone modes may be used.

Frequencies: The following 15 Bands may be used:-

1.8: 1.800 - 2.000	**14.0**: 14.000 - 14.150	**28.3**: 28.3 - 29.7
3.5: 3.500 - 3.750	**14.2**: 14.150 - 14.350	**50**: 50.0 - 54.0
3.9: 3.750 - 4.000	**21.0**: 21.000 - 21.200	**144**: 144.0 - 148.0
7.0: 7.000 - 7.150	**21.2**: 21.200 - 21.450	**220**: 220.0 - 225.0
7.2: 7.150 - 7.300	**28.0**: 28.000 - 28.300	**UHF** above 420 MHz

Any station may be contacted on any or all of the 15 bands for a maximum of 15 QSO's per station, with no more than one QSO per Band. Any station in the same chapter may be counted only once, for a maximum of one QSO per station. No contacts on WARC bands are permitted (10, 18 and 24 Mhz Bands). No Cross Band or Repeater Contacts are allowed.

Suggested Starting Frequencies:

CW: 1.910: 3.540: 7.035: 14.040: 21.050: 28.050
Phone: 1.910: 3.890: 7.244: 14.262: 21.365: 28.325
Novice CW: 3725: 7125: 21125

Calling (CW or Phone): CQ QCWA

Information Exchange: Fill Columns on the Log Form. For the "year" column, indicate the last 2 digits of the year the station operator was first licenced. If the contacted station does **not** belong to a QCWA chapter, show the State, Province or Country of its location. The latter would apply to Non QCWA members as well as to QCWA "At Large" members (a QCWA member who does not belong to a local chapter). Simply indicate one of the above 15 Bands in the "band" column. It is not necessary for an "At Large" station to identify as such, either on the air or on the Log Form.

Scoring: Each Phone QSO is worth **one contact point**. Each CW QSO is worth **2 contact points** (show 2 points in the QSO Points Column on the Log). **A Multiplier of one point** is given for each QCWA Chapter worked and for each State, Province or Country reported from stations not belonging to a QCWA Chapter. A total of **only one** multiplier point will be given for each State, Province or Country. **A Multiplier of 3 points** will be given on each of the 15 Bands for working our Headquarters Station **W2MM**. It is hoped to have this station active throughout the two parties.

Summary Paragraph: In order to assist the log checker, please include, along with your logs, a Summary Paragraph as shown below.

QSO's	**Contact Points**
CW Contacts _____	x2 = _____
Phone Contacts _____	x1 = _____
Total Contact Points	= _____ (A)
Multipliers = _____ (B)	
Total Score = A x B = _____	

Send your logs, together with the above summary paragraph to the following address within 2 weeks of the QSO party. All participants are encouraged to send in logs no matter how few or how many contacts are made.

Don Bice, W4PCO
5511 18th Ave North
ST. PETERSBURG FL 33710
U.S.A.

Awards: Certificates will be awarded as follows:-
To the top 5 QCWA Member Participants
To the top 5 Non-QCWA Member Participants
To the top 5 Novice Participants

1999 QSO PARTY

Name	Call	Final Score	
Address			
Chapter #	Novice (Yes/No)	QCWA (Yes/No)	QCWA Member #

Date	Time	Band	Mode	Call	Year	Name	Chapter # Or (State – Prov or Country)	QSO Points	Multiplier Points
							TOTAL		

1999 QCWA QSO PARTY

The following States and Provinces count as **ONE MULTIPLIER** for non QCWA member contacts and for At large QCWA member contacts (those QCWA members not belonging to a local Chapter)

United States											
Alabama	AL	Alaska	AK	Arizona	AZ	Arkansas	AR	California	CA		
Colorado	CO	Connecticut	CT	Delaware	DE	D of Columbia	DC	Florida	FL		
Georgia	GA	Hawaii	HI	Idaho	ID	Illinois	IL	Indiana	IN		
Iowa	IA	Kansas	KS	Kentucky	KY	Louisiana	LA	Maine	ME		
Maryland	MD	Massachusetts	MA	Michigan	MI	Minnesota	MN	Mississippi	MS		
Missouri	MO	Montana	MT	Nebraska	NE	Nevada	MV	New Hampshire	NH		
New Jersey	NJ	New Mexico	NM	New York	NY	North Carolina	NC	North Dakota	ND		
Ohio	OH	Oklahoma	OK	Oregon	OR	Pennsylvania	PA	Rhode Island	RI		
South Carolina	SC	South Dakota	SD	Tennessee	TN	Texas	TX	Utah	UT		
Vermont	VT	Virginia	VA	Washington	WA	West Virginia	WV	Wisconsin	WI		
Wyoming	WY	W2MM									
Canada											
Alberta	AB	British Columbia	BC	Manitoba	MB	New Brunswick	NB	Newfoundland	NF		
NW Territories	NT	Nova Scotia	NS	Ontario	ON	Prince Edward Is	PE	Quebec	PQ		
Saskatchewan	SK	Yukon	YK								
Other Countries											

Contacts with stations belonging to one of the active QCWA Chapters listed below count as **ONE MULTIPLIER**

Ch	Wk	Ch	Wk	Ch	Wk	Ch	Wk	Ch	Wk	Ch	Wk	Ch	Wk	Ch	Wk	Ch	Wk	Ch	Wk
1		19		40		64		87		111		140		158		182		204	
2		20		41		65		89		112		141		160		183		205	
4		21		42		66		91		114		142		161		188			
5		23		45		67		94		115		143		162		190			
6		25		46		70		95		119		144		165		191			
7		27		48		72		98		120		145		166		192			
8		28		49		73		100		122		146		168		193			
9		29		51		74		102		123		148		169		194			
10		31		53		75		103		126		149		170		195			
11		32		54		76		105		128		150		173		196			
12		33		55		77		106		130		151		174		198			
14		35		58		79		107		131		152		175		200			
16		37		59		81		108		134		154		177		201			
17		38		62		82		109		135		155		180		202			
18		39		63		85		110		138		157		181		203			

Contacts with QCWA Memorial Station W2MM count as **THREE MULTIPLIERS** on each of the 15 bands.
Note: W2MM will be operated by one of our local chapters. Members of that chapter, and non chapter Members within 50 miles (80 kms) will be permitted to work W2MM only once for a total of 3 Multiplier points

Chapters on the Air

NO	NAME	DAY	TIME	NC	FREQ
	SO CALIF CW	SUN	1100L	W6WHM	7034
	FL SSB	SAT	1300Z	W4NWF	3955
	QCWA SSB	SUN	2000Z	varies	14347
	FL SSB	WED	1500Z	W4NWF	7274
	NE REGIONAL	SUN	0845L	W2AUF	3917
	QCWA CW	WED	2000E	varies	7035
1	CLEVELAND CH	WED	2000L	W8NZD	146.88
2	CHICAGO AREA CH	1stTh	2130L	W9MOL	147.15
4	NORTHWEST CH	SUN	1200L	W7PN	3952
4	NORTHWEST CH	SUN	0800L	W7PN	3650
5	DELAWARE VALLEY CH	SUN	1445Z	W2EEQ	3917
6	PITTSBURGH CH	SUN	0830L	W8CSU	147.03
7	SOUTHERN CA	SUN	1000L	W6ZRZ	147.36+
7	SOUTHERN	SUN	0900L	W6WHM	3917
8	UPPER MIDWEST CH	SAT	0800L	W0KHG	3877
9	SOUTHWEST OH	SUN	1330L	K8YPD	3987
10	MICHIGAN CH	SUN	0800L	VARIES	3903
11	NORTHERN CA	SUN	0930L	WA6AFT	3907
11	NORTHERN CA	SAT	1000L	W6AQR	146.85-
12	SOUTHEAST FL	WED	2000L	VARIES	146.76
14	SAN DIEGO CH	WED	2000L	K6QS	145.52
16	ARIZONA CH	SUN	0630L	W7ER	3890
17	ALLENTOWN-BETHLEHEM	SUN	1200L	VARIES	3990
19	MISSOURI CH	WED	1930L	KD0IR	147.15
20	BALTIMORE CH	MON	2100L	W3EE	147.285
21	CANTON OH CH	THU	1930L	WA8DRT	147.180
25	NEBRASKA CH	TUES	1900L	W0HXL	146.94
25	NEBRASKA CH	SAT	0830L	VARIES	3982
28	CENTRAL NY	SUN	1030L	K2MFB	3917
29	FINGER LAKES CH	SUN	1230L	VARIES	3900
31	READING,PA CH	MON	2100L	VARIES	146.91
32	GATOR CH	SAT	0930L	VARIES	145.29
33	GUNDERSON PENN-JERS	DAILY	2000L	W3APE	3982
35	MIDCONTINENT CH	THU	2030L	K0YML	146.97
36	NORTHWEST IN	WED	1930L	N9MRS	147.495
36	NORTHWEST IN	THU	2000L	N9MRS	3703
37	HARRISBURG CH	WED	2100L	K3IUY	147.12
38	SAN ANTONIO CH	SUN	2030L	W5HRF	28650
41	DALLAS CH	SUN	0715L	varies	3835
45	CITRUS CH	TUE	1930L	VARIES	147.195
46	FOUNDER'S CH	SUN	0845L	W2AUF	3917
46	FOUNDER'S CH	THU	2030L	W2AUF	147.36
48	TREASURE COAST CH	DLY	1700L	KD2XD	14,176
48	TREASURE COAST CH	DLY	0800L	KD2XD	7153
49	PEACH STATE CH	WED	2000E	VARIES	145.41
49	PEACH STATE CH	SAT	0900E	K4VN	3857.5
51	TEX-LA GOLDEN TRI	MON	1830L	WA5YCW	146.68
54	TYLER CH	MON	1930L	W5RRM	28.650
55	WI CH	SUN	0830L	VARIES	3985
58	CO CH	SUN	0900L	W9KRES	3905
58	CO CH	SUN	0930L	VARIES	146.67
62	SUWANNEE CH	SAT	0900L	W4PFJ	3940
63	CENTRAL OK CH	SUN	0800L	W5AS	3856
63	CENTRAL OK CH	THUR	1900L	W5AS	145.41
64	EL PASO CH	SAT	0830L	W5RO	3933
65	NIAGARA FRONTIER	SUN	1330L	W2SD	900
67	AUSTIN CH	SAT	0900L	N5WU	3920
70	NATIONAL CAPITAL	THU	2000L	VARIES	147.03
73	SOUTHERN ONTARIO	SUN	0900L	VE3AGS	3773
75	CENTRAL CA COAST	SAT	0800L	W6RBB	3917
76	BLUE RIDGE CH	SAT	1000L	K4RR	3930
77	NORTHERN NJ	THUR	2000L	W2IET	147.03
77	NORTHERN NJ	SUN	1300L	N2XJ	3917
79	SUNFLOWER CH	WED	2100L	VARIES	146.82
81	LONG ISLAND CH	FRI	2030L	K2YAW	146.745
81	LONG ISLAND CH	SUN	1130L	W2TLC	3917
85	ARK-LA-TEX CH	MON	1930L	VARIES	146.67
87	EVERGREEN CH	SUN	1500Z	VARIES	3984
89	PALMETTO STATE CH	SAT	0900L	W4DNR	3930
89	PALMETTO CH	SUN	1700L	VARIES	3695
91	VIC CLARK CH	SUN	0900L	VARIES	146.79
92	NORTHERN LIGHTS	SUN	2000L	KL7CDG	146.97
94	ROADRUNNER CH	WED	1400L	WB5YYX	146.72
95	EASTERN NY	SUN	1130L	W2CJO	3900
96	GATEWAY CH	SAT	1600Z	W4KGT	3937
102	DAKOTA CH	SUN	1400Z	VARIES	3889
105	MIDDLE TN CH	THU	2000L	VARIES	146.91
106	GERMAN CH	TUE	1700Z	DL1MEB	3573
106	GERMAN CH	MON	1700Z	DL0QCW	3669
107	CENTRAL FL	SAT	0900L	W4LHP	7243
107	CENTRAL FL	THUR	1230L	W4LHP	14245
108	BEAVER STATE CH	WED	0800L	W7LVN	3926
109	BATON ROUGE CH	SUN	2000L	VARIES	146.79
109	BATON ROUGE CH	SUN	0830L	VARIES	3905
110	KANSAS CH	SAT	0730L	KA0RZO	3920
112	YANKEE CH	SUN	0830L	K1JJJ	3903
114	NORTH TEXAS CH	SAT	0830L	WA5BXH	3941.5
120	QCWW	TUE	1400L	W3QPP	14295
122	LAKE ERIE TRI-ST	SUN	0930L	W3QPP	3915
122	HUDSON VALLEY CH	SUN	0815L	W2OZA	3917
123	LEE DEFOREST CH	SAT	0730L	VARIES	3940
126	PIEDMONT CH	SUN	0845L	VARIES	3935
128	PELICAN CH	SAT	0930L	VARIES	145.29
128	PELICAN CH	MWF	1600L	VARIES	145.29
130	INLAND EMPIRE	WED	1930L	W6HV	1.896MH
130	INLAND EMPIRE	FRI	1600L	W6HV	3862
130	INLAND EMPIRE	SAT	0800L	W6HV	3862
131	GULF COAST CH	TUE	0830L	VARIES	28750
134	PINE TREE	SUN	1430L	VARIES	3942
135	MID-MICHIGAN CH	TUE	2000L	VARIES	146.70
138	CENTRAL NJ	TUE	2100L	VARIES	148.045
140	WYOMING CH	SAT	0800L	W7MZWW	3923
141	HI-PLAINS CH	SAT	0900L	W5MVJ	3933
142	NORTHWEST OH	WED	2000L	W8FO	147.27+
143	NORTH CO CH	SUN	0830L	VARIES	145.115
146	TWIN STATE CH	SUN	0830L	WA1NBI	3898
149	NUTMEG CH	SUN	1130L	W1KHL	3923
149	NUTMEG CH	TU-TH	2100L	VARIES	1870
150	DEL-MAR-VA CH	SUN	0900L	K3PFW	146.82
151	WILD ROSE CH	MON	1900L	VARIES	3747
152	ROYAL PALM CH	T-TH	1300L	K4FA	14178
152	ROYAL PALM CH	MWF	1300L	W4LZV	7220
154	LEO MEYERSON CH	THU	1830L	K6AWO	145.480
157	PONY EXPRESS CH	SUN	0830L	W0GGP	3955
160	UTAH CH	SAT	1100L	VARIES	7272
162	SOUTHEAST WI	THU	2100L	N9NBC	147.87
165	YORK COUNTY PA	WED	2100L	W3AXC	146.97
173	GOLDEN TRI CH	TUE	1930L	W9JRY	147.255
174	WI BADGER	SUN	1600L	VARIES	146.82
180	FOOTHILLS/OZARK	SAT	0800L	K0DEW	3861
181	HUDSON VALLEY CH	TUES	2030L	WA2RRK	147.060
181	HUDSON VALLEY	SUN	0815L	W2OZA	3917
182	NORTHEAST TN	SUN	2100L	W4QW	145.110
183	PIONEER CH	SUN	1000L	W1ALL	3923
188	LOST RIVER CH	1ST W	1915L	K7RFO	146.85
191	MONTEREY BAY CH	TUES	1930L	AA6T	145.70
192	PUERTO RICO CH	WED	1900Z	VARIES	146.850
194	HAWAII CH	1st S	1500L	VARIES	7088
195	SUN CITY CH	SAT	0930L	VARIES	145.29
196	EDISON CH	DAILY	1000L	VARIES	146.88
196	EDISON CH	DAILY	0730L	VARIES	147.345
198	MID SIERRA CH	SAT	0700L	W6JTA	3906
199	PHIL LEIBLE CH	SUN	0930L	WA0XNI	3905
203	GILBERT CROSSLEY 2	WED	2000E	VARIES	146.85

QCWA Welcomes New Members

DATE	MEMNUM	NAME	CALL	CITY	S/P	SPONSOR	SCALL
04/01/99	29858	THOMPSON, BYRON C	K0SUM	LAKEWOOD	CO	- -	
04/02/99	29859	STARK, RICHARD E	K7BON	RED LODGE	MT	G M STENULSON	K7GMS
04/02/99	29860	VAN FOSSEN, ARLEN R	WB6VAF	FRESNO	CA	J F WAKEFIELD	W6PSQ
04/02/99	29861	ZOTT, RICHARD D	WA2ELW	BALLWIN	MO	- -	
04/05/99	29862	THOMAS, GARY F	AA1UE	SPRINGFIELD	MA	HAROLD CHASE	W1EES
04/05/99	29863	BELL, MARK A SR	AF4NW	CONCORD	NC	- -	
04/05/99	29864	SODERBERG, JOHN W	W1AKV	WESTON	VT	CAL BENNETT	W1KHL
04/06/99	29865	BARNES, FREDERICK	WA8PCT	PARMA	OH	ROCKY ZIMMERMAN	W8UYN
04/06/99	29866	WALKER, CHRISTOPHER J	W4SSN	SAVANNAH	GA	- -	
04/07/99	29867	MAC ALLISTER, HEATHER W	WB5RMA	HOUSTON	TX	ANDY MAC ALLISTER	5ACM
04/08/99	29868	BABBITT, JACK SR	WA5ZAY	WALLA WALLA	WA	ROBERT S KORFHAGE	W7CHI
04/08/99	29869	BABBITT, MABLE	WB5AVH	WALLA WALLA	WA	ROBERT S KORFHAGE	W7CHI
04/12/99	29870	CRUMP, EDWARD ERNEST	VE3OU	CAMBRIDGE	ON	- -	
04/12/99	29871	SCHENKER, JOHN L	AB3JS	NEW CASTLE	PA	- -	
04/15/99	29872	LANGLO, ERWIN PETER	WA6PFF	SANTA BARBARA	CA	- -	
04/16/99	29873	BROWN, RICHARD G	W1FEW	WINDHAM	NH	R E SEIFERT	KB2FF
04/20/99	29874	BROWN, JOE A JR	W4ONJ	CHARLOTTE	NC		
04/21/99	29875	HEATH, JIM	KB6SX	GRASS VALLEY	CA	GARY HARRISON	K0BC
04/22/99	29876	ADAMS, GEORGE W	K4MJN	YORK	PA	RAYMOND A STRAUB	W3AXC
04/23/99	29877	HORNIK, MORRIS M	WB9JHW	WASHINGTON	DC	- -	
04/23/99	29878	RYBACHEK, ROSALIE A	KL7FQQ	NORTH POLE	AK	- -	
04/23/99	29879	RYBACHEK, STANLEY C	KL7FQR	NORTH POLE	AK	- -	
04/26/99	29880	SKLAR, ALLEN J	W7AS	TWIN FALLS	ID	- -	
04/26/99	29881	STEFANCIC, PAUL F	K3IVZ	NORTH HUNTINGDON	PA	- -	
04/27/99	29882	BALLARINI, ROBERT	K9DJQ	CHICAGO	IL	- -	
04/27/99	29883	REXROAD, CHUCK	N4HCP	VIENNA	VA	- -	
04/27/99	29884	ROBINSON, GRADY P	AK4N	LANCASTER	SC	F B ASHLEY	K4MFU
04/27/99	29885	SWANSON, ERNEST R	KG9OZ	OSHKOSH	WI	HERBERT W ROEHNER	A9UVK
04/28/99	29886	ALLEN, LYNN RAY	N8FIQ	WILLIAMSTON	MI	- -	
05/03/99	29887	BELL, WILLIAM WRIGHT	W4JLS	VIRGINIA BEACH	VA	ELIAS ETHERIDGE JR	K4IX
05/03/99	29888	JOHNSON, DAYTON	W8DJ	MAYVILLE	MI	- -	
05/03/99	29889	MAJEWSKI, RON	W8RU	MILFORD	MI	- -	
05/03/99	29890	PIERCE, HARRY A SR	W1SXU	LAKEVILLE	MA	JOHN BOSSE	A1PFC
05/03/99	29891	RIDGWAY, RONALD R	W7PHX	PHOENIX	AZ	- -	
05/03/99	29892	GREGORY, KENNETH E	WB5FWJ	CACHE	OK	GENE NAILON	K5DLE
05/03/99	29893	SIMMS, LOREN C	WA5CBF	ALTUS	OK	GENE NAILON	K5DLE
05/06/99	29894	FITE, CHARLES REED	WA4UIK	HERMITAGE	TN	- -	
05/10/99	29895	WENZEL, MARTIN G	W2GF	PINE CITY	NY	TOM GLAZE	K4SUS
05/10/99	29896	CARLSON, LOUIS W	WA8CID	LUDINGTON	MI	DICK MONDRO	W8FQT
05/10/99	29897	OLENDER, RONALD A	WA2HZT	HOWELL	NJ	JOHN GAGEN	W2YR
05/11/99	29898	HENDERSON, CRAIG N	N8DJB	PEMBERVILLE	OH	DAYTON	
05/11/99	29899	GRAZIANO, JOSEPH	WA2RIP	BLOOMFIELD	NJ	GENE FILIPPONI	AG2R
05/11/99	29900	TAYLOR, WILLIS A	WA3WYQ	KNOX	PA	- -	
05/12/99	29901	WARREN, ROBERT J	W2ZXQ	SMITHTOWN	NY	- -	
05/13/99	29902	GOLDFARB, MARVIN S	W8YEO	BEACHWOOD	OH	JACK H GOLDFARB	8WGO
05/13/99	29903	MARGOLIS, HAROLD	WA1GKU	WATERFORD	CT	ROBERT YORK CHAPMAN	W1QV
05/13/99	29904	PHELPS, ROBERT E	WA4CFG	AIKEN	SC	L SHATTUCK	K4NK
05/17/99	29905	BREAKALL, JIM	WA3FET	PORT MATILDA	PA	KEITH ADAMS	A3RBK
05/17/99	29906	CARROLL	VE3FNX	MC DONALDS CRNRS	ON	G KEITH BEDAL	VE3GFI
05/17/99	29907	WALCZAK, BRUNO V	WA8DHP	LIVONIA	MI	- -	
05/18/99	29908	WOLENSKI, KENNETH J	W8YLY	EUCLID	OH	ROCKY ZIMMERMAN	W8UYN
05/18/99	29909	AMELAR, JACK	NY8D	LOWELL	MI	DAYTON	
05/18/99	29910	JENKINS, AVERY	KB1WM	LITCHFIELD	CT	DAYTON	
05/18/99	29911	KILLIAN, ALFRED D JR	W4IUV	ISLAMORADA	FL	DAYTON	
05/18/99	29912	SKRIVSETH, KEN	NX3K	LAUREL	MD	DAYTON	
05/18/99	29913	ACHTENBERG, GERRY	K9IGRA	PALOS HTS	IL	DAYTON	
05/18/99	29914	ALLEN, JOHN O	N0JA	BOWLING GREEN	MO	DAYTON	
05/18/99	29915	BLANK, ARTHUR M	N2NB	SMITHTOWN	NY	DAYTON	
05/18/99	29916	COLLINGHAM, DAVID R	KCLP	MT AIRY	MD	DAYTON	
05/19/99	29917	CURRENS, O C	AD4ZW	DANVILLE	KY	DAYTON	
05/19/99	29918	CUTTER, RICHARD C	WA3MKT	NORTHEAST	PA	DAYTON	
05/19/99	29919	DALE, LARRY	KF8NW	WASHINGTON	WV	DAYTON	
05/19/99	29920	EGALKA, BRUCE	WT4T	ST PETERSBURG	FL	DAYTON	
05/19/99	29921	HATKINS, STEVEN JAY	KC2CCX	BROOKLYN	NY	JAY S HYMAN	WB2CSS
05/19/99	29922	GENTRY, JERRY	WA0H	SPRINGFIELD	MO	DAYTON	
05/19/99	29923	GIROUX, ANTON M	KF3BX	WARRENBORO	PA	DAYTON	

05/19/99	29924	JAMES, THOMAS W	W7OPS	TAYLOR	AZ	DAYTON	
05/19/99	29925	KENNEDY, ROBERT L	K9DXB	MEROM	IN	DAYTON	
05/19/99	29926	MAC AULAY, JOHN D	WQ8U	DAYTON	OH	DAYTON	
05/19/99	29927	MANCINI, GEORGE F	KA1MJ	NEW HAVEN	CT	DAYTON	
05/19/99	29928	MARINUCCI, WILLIAM L	KA2HNX	LAKE ORION	MI	DAYTON	
05/19/99	29929	MC CUSKER, RICK	WF6O	SACRAMENTO	CA	DAYTON	
05/20/99	29930	MC CAULEY, MIKE	WB5MYY	DALLAS	TX	- -	
05/20/99	29931	MIKKELSON, CLIFF	N0ZUQ	COLORADO SPRINGS	CO	DAYTON	
05/20/99	29932	NEAL, JERRY D	KC4CQR	TRINITY	NC	DAYTON	
05/20/99	29933	NORTON, WILLIAM L	W8FYO	ENON	OH	DAYTON	
05/20/99	29934	ROSE, ROBERT L	AA3RR	PASADENA	MD	DAYTON	
05/20/99	29935	RYAN, JERRY	K8VGL	FT WAYNE	IN	DAYTON	
05/20/99	29936	STUMPFF, CLIFFORD W	KA8GOV	DAYTON	OH	DAYTON	
05/20/99	29937	ULM, ROBERT J	W8ULM	DELPHOS	OH	DAYTON	
05/20/99	29938	UNDERDOWN, ALLEN	N0GOM	ST CHARLES	MO	DAYTON	
05/20/99	29939	VERNIER, DANIEL	WA8GQL	STERLING HEIGHTS	MI	DAYTON	
05/20/99	29940	WHEATLEY, STEVEN M	KU9C	MORRISTOWN	NJ	DAYTON	
05/20/99	29941	WHITE, LONNY V	WA8ZDL	POCA	WV	DAYTON	
05/24/99	29942	JAPENGA, ROBERT	W8BVA	GRAND HAVEN	MI	RUSS REISE	W8BXS
05/24/99	29943	WILLERT, ANN	DJ0IX	GERMANY		JAMES W YOUNGBERG	K1NKR
05/24/99	29944	WILLERT, ERNST	DK3FF	GERMANY		JAMES W YOUNGBERG	K1NKR
05/26/99	29945	ANDERSON, GAYLORD F	W7AVA	W RICHLAND	WA	FLOYD RIEMENSCHNEIDER	K7MGA
05/26/99	29946	EDWARDS, WILLIAM J	K7PK	EPHRATA	WA	FLOYD RIEMENSCHNEIDER	K7MGA
05/26/99	29947	SIMMONS, DEAN	W7VVW	QUINCY	WA	FLOYD RIEMENSCHNEIDER	K7MGA
05/26/99	29948	TESKY, MICHAEL F	KC7CCK	KENNEWICK	WA	FLOYD RIEMENSCHNEIDER	K7MGA
05/26/99	29949	DYKSTRA, KARL E	WA7TUE	YAKIMA	WA	FLOYD RIEMENSCHNEIDER	K7MGA
06/01/99	29950	MAC NEILL, C	W8ZNX	ROYAL OAK	MI	BILL HAWES	W9ERG
06/01/99	29951	WHETSTONE, WILLIAM E	WA1RI	EAST GREENWICH	RI	- -	
06/01/99	29952	SCHAER, RICHARD J	K7XP	CALIENTE	NV	LEE HONE	K7NKH
06/04/99	29954	EDMONDS, ARTHUR H	KK7BZ	BASIN	WY	WYOMING	
06/07/99	29955	LEE, JAMES A	KF6ZK	SAN MATEO	CA	LEON SAVAGE, SR	W6AQR
06/07/99	29956	ARMSTRONG, JAMES D JR	WB6EMR	MILPITAS	CA	- -	
06/07/99	29957	SWINDELL, LESLIE	W1NYF	SPENCER	MA	LARRY SMITH	K1ILZ
06/07/99	29958	BOOKOUT, JOHN R	K7JB	PORTLAND	OR	SEASIDE	
06/08/99	29959	KALTMAN, NEIL A	K6SMF	CANOGA PARK	CA	SEASIDE	
06/08/99	29960	LAWRENCE, EDWARD	WA5SWD	WELLINGTON	CO	SEASIDE	
06/08/99	29961	CULVER, VICTOR I	W4VIC	VIRGINIA BEACH	VA	CHAARLES CHAPMAN	W1WTG
06/08/99	29962	MACKENZIE-ROACH, FRAN	VE3HKG	OTTAWA	ON	GEORGE ROACH	VE3BNO
06/08/99	29963	MC GACHEY, DOUGLAS PAUL	K0YP		IA	VERLIN ROWLEY	K0BRE
06/09/99	29964	ARNDT, LINDA A	WB9YOU	GRESHAM	WI	LLEWELLYN MERRILL	N4LD
06/10/99	29965	CLARK, STANLEY	WB0JRG	PUEBLO	CO	JIM BLECHA	W9KRE
06/10/99	29966	TURNER, PAUL AQUILA	WB4OEF	SADIEVILLE	KY	- -	
06/11/99	29967	FOUNTAIN, COLLIER J	WB4WXP	GULF BREEZE	FL	GORDON D MATTOON	WB9UBF
06/11/99	29968	INGLES, HURB	W1DOG	SHIRLEY	MA	- -	
06/11/99	29969	TORRESE, DANTE M	WA2GVA	ARDSLEY	NY	- -	
06/11/99	29970	BLANCHARD, BRUCE	WT2I N	SYRACUSE	NY	ROCHESTER	
06/11/99	29971	FREIBERGER, JOHN III	WA2NZO	MACEDON	NY	ROCHESTER	
06/11/99	29972	WILSON, CHARLES	N2QJU	WATERLOO	NY	ROCHESTER	
06/14/99	29973	TOLAR, JAMES H	W5SQE	HOUSTON	TX	- -	
06/14/99	29974	HATCH, DENNIS H	WA0WAB	BURLINGTON	KS	- -	
06/14/99	29975	MC LAUGHLIN, DAVE	W0ZY	OMAHA	NE	GARY HARRISON	K0BC
06/14/99	29976	REID, PHILLIP CARROLL	WB4GMR	LYNCHBURG	VA	- -	
06/14/99	29977	ARRUZZA, DAVID M	W1CTN	ANSONIA	CT	H CHASE	W1EES
06/18/99	29978	FAGAS, JOHN CHRISTOPHER	WB2VVV	PARK RIDGE	NJ	- -	
06/18/99	29979	HAMMOND, GARRY V	VE3XN	LISTOWEL	ON	HAROLD J BRAUN	VE3DWH
06/21/99	29980	NESMITH, DONALD C	K1DN	SOUTH HARWICH	MA	HAROLD CHASE	W1EES
06/21/99	29981	ROBERTS, SHIRLEY R	N8LX	DAYTON	OH	JAMES D CURRIE	K8YDP
06/22/99	29982	GERLACH, LESTER O	W9UPM	MUSKEGO	WI	VERNE TESKE	W9RYA
06/25/99	29983	FISH, RONALD E	KX1W	CIRCLEVILLE	NY	GENE FILIPPONI	AG2R
06/25/99	29984	HOELTJE, GEORGE W	K9GWH	SCHAUMBURG	NY	- -	
06/28/99	29985	CAPPS, JAMES H	W8AEB	GATES MILLS	OH	ROCKY ZIMMERMAN	W8UYN
06/28/99	29986	MC FARLAND, HARRY DON	WA5DGK	SEGUIN	TX	L GARRY MC QUEENEY	W6KMP
06/28/99	29987	WILLIAMS, WILLIAM F	VE7FHV	SURREY	BC	GEORGE A PUHL	VE7BKB
06/29/99	29988	VANHOOSER, MIKE	N5ADU	DALLAS	TX	HAMCOM 99	
06/29/99	29989	POPELARSKI, JAMES F	W5WN	PLANO	TX	HAMCOM 99	
06/29/99	29990	SMITH, EDWARD J	W1FU	FRIENDSWOOD	TX	HAMCOM 99	
06/29/99	29991	WILSON, JOHN L	KL0ND	NEWPORT	OR	DON BULAU	WA7JEI
06/30/99	29992	STEVENS, HELEN L	WA6KHD	ELLSWORTH	KS	HAMCOM 99	

Fern Fisher, W9LCJ
inducted into
Southeast Wisconsin Aviation Hall of Fame in
Racine, Wisconsin

On May 14th, QCWA Chapter 162 member Fern Fisher, W9LCJ was inducted into the Southeast Wisconsin Aviation Hall of Fame in Racine, Wisconsin. The Hall of Fame program recognizes the outstanding achievements of aviation leaders in their communities and within the Experimental Aircraft Association. Fern joined fellow 1999 inductees Samuel C. Johnson, Chairman of SC Johnson and John E. Sullivan, former manager of the Racine Commercial Airport, on stage as the Master of Ceremonies recanted their avionics contributions to a packed house during the gala celebration induction at the Racine Marriott Hotel.

The three inductees have all contributed significantly to the community through their efforts in building Southeast Wisconsin transportation capabilities as they helped guide the development of Racine's Batten Field. The 450-acre Batten Field, according to Keith Gerrard, deputy director of the Bureau of Aeronautics in Madison, is the busiest private airport in the United States and serves as a model for airport privatization nationwide.

A photo, taken in 1938shows Fern Fisher, W9LCJ standing beside a Cub Coup J-4.

Fern, a licensed Aviation Flight Instructor and Licensed Aircraft Mechanic during her younger years, was the second pilot to land at Batten International Airport (then known as Horlick Field). Fern said, "I was around airplanes all my life. The airport was my first love." And as the years progressed she became the airport's jack-of-all-trades, retiring at the age of 75 after a 40-year love affair.

Fern's exposure to Ham Radio came after a chance meeting with a member of the Amateur fraternity, Stanley D. Fisher, W9EQ, who was a Broadcast Engineer, Flight Instructor, Aviation Radio Technician and FAA designated Technician.

Their initial meeting occurred at an air show held in Racine. The airport manager asked Fern to take care of a popcorn machine during the event. The rented and delivered machine, was discovered not to be working, after the delivery folks had departed and the popcorn sat in its designated popping container unpopped. The manager rounded up Stan, who was introduced as the man to fix the problem. With a meter, a soldering iron and a few wiring changes the machine was soon fixed. Stan had saved the day, and the popcorn sales were great.

Fern and Stan were married two years after the popcorn encounter. Stan was an electronic genius, he was always busy with tubes, dials, antennas and strange squawks coming out of boxes of assorted sizes, as well as always testing something or listening to the clack-clack of teletype machines, or having someone at the door with more strange boxes that needed fixing. Fern decided it was time to learn something about the hobby in order to understand the strange lingo engaged in by the folks visiting their home. They also needed to have something to talk about over the dinner table.

The necessary books were purchased and the study sessions started. Fern started helping Stan with his heavy electronic repair load, she learned how all the various parts worked, how to use test equipment, how to grind crystals, and how to solder.

Stan was the Deputy for Communication in the Wisconsin Wing, Civil Air Patrol. Fern joined and moved up the ranks to Lieutenant Colonel and the assignment as Assistant Wing Deputy for Communication for the Wisconsin Wing. Fern maintained the FCC CAP radio station licenses and participated in the practice and real Search and Rescue missions. Her technical knowledge was enhanced while trouble-shooting CAP's malfunctioning radio gear and in the building of 50 Heathkit transceivers for the young folks to use.

In 1954 the Novice test was passed and Fern spend a very pleasant year operating a military surplus BC-191 that had been converted to the required crystal control. The only problem was that the unit had its own unique tone and as soon as it was keyed everyone knew WN9LCJ was on the air before she tapped out her call.

The upgrade to Technician brought the call W9LCJ. Fern

REPORT OF THE QCWA NOMINATING COMMITTEE
June 30, 1999

The Nominating Committee for the YK2 QCWA elections is pleased to provide the following slate of candidates for the Board of Directors:

President:	Gary Harrison, KØBC (incumbent) e-mail: k0bc@ipa.net
Vice-President:	Croft Taylor, VE3CT (incumbent) e-mail: ve3ct@igs.net
Secretary:	Chuck Waldridge, K1IGD (incumbent) e-mail: chuckew@homemac.ultra.net
Treasurer:	Don Doughty, W6EEN e-mail: w6een@ix.netcom.com

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Directors:

Ray Minichiello, W1BC
e-mail: raymin@marconiusa.org
Harold Chase, W1EES (incumbent)
e-mail: qrvchase@erols.com
John Johnston, W3BE
e-mail: JOHNSTON.JOHNl@worldnet.att.net
Arthur Kunst, W3WM
e-mail:
Jerrel Jones, W5TUU
e-mail: errelj@gte.net
George Knudsen, W4GCK
e-mail: geo-miho@juno.com
Jim Williams, K6HIO
e-mail: k6hio@psn.net
Arch Doty, W7ACD (incumbent)
e-mail: archd@aol.com
Leonard Nathanson, W8RC
e-mail: lnathanson@hotmail.com
Larry McCalvey, WA9JMO
e-mail: wa9jmo@wi.net
Alan Pickering.KJ9N (incumbent)
e-mail: kj9n@juno.com
John McKinney, WØAP (incumbent)
e-mail: mckinney@computer-concepts.com
Bob Roske, WAØCLR
e-mail: wa0clr@worldnet.att.net
Bill Wheeler, KØDEW
e-mail: bwheeler@advertisnet.com
Dan Copeland, NØDT
e-mail: dcopeland@juno.com
Donald Reinhold, KØGOR
e-mail: k0gor@juno.com
George Roach, VE3BNO (incumbent)
e-mail: groach@igs.net

Each of the candidates listed has agreed to be a candidate for election. I have received background material on each of them and every one of them appears to be fully qualified and genuinely interested in serving if elected. You will note that all but one has an e-mail address. I am personally pleased with the qualifications and backgrounds of the candidates.

First time candidates are being advised that later the General Manager of QCWA will request photographs and concise background statements for inclusion in the Spring 2000 QCWA Journal.

I cannot praise the members of our committee enough to adequately express how hard they worked to secure qualified candidates and how appreciative we all should be for their diligence and dedication to QCWA.

Leland Smith, W5KL
Chairman

Committee:
WlJTH, K4AVH,W5CJZ,
W5KN, WA6WZC,WA9ENA,
W0KVM, WA0OWF

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hold an Advance License and has held the same call during her 45-years of Ham Radio affiliation. Her heavy duty equipment testing, lead to an FCC Radio Telephone 2nd Class License, now known as a General Radio Telephone Class License that is still current.

W9LCJ standing by a Piper J-3 that had been re-stored to its original condition and marking. The plane was a "Basket Case" when the restorer became its latest owner. Through records that stayed with the plane, the restorer found that Fern had been one of the plane's earlier pilots and mechanic. And on the way to an EAA Fly-in in Oshkosh, the new owner stopped in Racine to show Fern the restored plane.

Fern has been active in local Amateur radio community, serving as Secretary and Control Operator of Racine's Lakeshore Repeater Association. She is a FCC Volunteer Examiner and has been a Director for the Chapter 162 of the QCWA. Fern states that Ham Radio has been a great hobby. It resulted in a wonderful marriage that lasted 40-years. Friends were made all over the world and three of her grandchildren are licensed Hams. Fern claims that she goes crazy trying to keep up with the new technologies and trying to convince herself that these are the Golden Years!

Silent Keys

With sadness we record the passing of these members

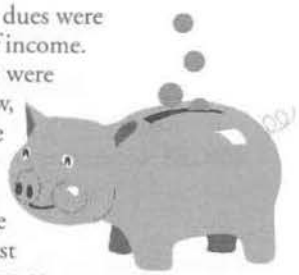
NAME	CALL	MEMNUM	L	SK	CITY	ST/Prov.
HILDENBRAND, ROBERT L	K0BNX	28739		1999	ENGLEWOOD	CO
ALLEN, ELIZABETH G	N0EPH	27826		1999	LAKEWOOD	CO
BERGSTROM, MILTON EQUIT	K0KKF	23561	*	1999	NORTH BEND	NE
SMITH, AL	W0PEX	13797		1999	SIOUX CITY	IA
LYONS, RICHARD W	W0PQZ	27687		1999	ENGLEWOOD	CO
ROBINSON, JACK	W0RJZ	20293		1999	CRESTON	IA
PAYNE, ROBERT A	K1BFG	17402	*	1999	BARRE	MA
GORSKI, STEPHEN R	K1GDE	18205		1999	LYNN	MA
JENNINGS, MANSON VAN B	W1GGT	17711		1999	WOODBRIDGE	CT
GUNTHER, FRANK A	W2ALS	00135	*	1999	STATON ISLAND	NY
SNEDEKER, JOHN R JRUSE	W2EEQ	03225	*	1999	WAPPINGERS FALLS	NY
RANDALL, C ANDREW	W2EY	05682	*	1998	PLEASANTVILLE	NY
NEWELL, CHARLES A	K2GNZ	23875		1999	GREENACRES	FL
CENTERWALL, EVERETT T	W2JVA	11072		1999	GREENE	NY
BRADLEY, J ROBERT	W2ROO	05033		199	DELRAY BEACH	FL
VARGAS, JOHN F	W2ULO	11877		1999	RALEIGH	NC
HUNTER, ROBERT P	W3GA	18069		1999	STATE COLLEGE	PA
MOSES, ELBERT R JR	WA3IYA	24846		1999	PRESCOTT	AZ
BLOM, RICHARD F	K3LNI	21748	*	1999	YORK	PA
WETZEL, HANS	VE3MLL	24275		1999	SCARBOROUGH	ON
MAC FARLANE, G H	VE3YF	10365		1999	ORILLIA	ON
BUTTS, DONALD H	K4CMJ	11685		1999	CONROE	TX
HICKS, ROLLIN K	WA4GFD	25343		1999	JOHNSON CITY	TN
PETRICK, CYRIL J	WA4HSY	07658	*	1999	TITUSVILLE	FL
WHATLEY, RENDER L	WA4JVR	26333		1999	SEMINOLE	FL
KUNTZ, WILLIAM H	W4OGY	17553		1998	PLEASANTON	CA
JOSEPH, KENNETH L	W4SIG	07526	*	1999	FREMONT	OH
LIGGETT, WALT M	W5BFN	05431		1999	EL PASO	TX
HARKINS, JACK M	W5CPI	10042		1999	EL PASO	TX
ASHBY, ROBERT H	W5HXL	04621	*	1999	OKLAHOMA CITY	OK
DONEGAN, M BOYD	W5IF	15437		1999	DALLAS	TX
MC ADAMS, HERBERT D JR	W5MSK	27311		1999	GROVES	TX
THWAITES, WARREN B	W5SQM	15737	*	1999	EL PASO	TX
HOFER, WALTER O	W6BOX	15588		1999	GLENDORA	CA
KRAMER, VERNON W	W6FCD	10437		1999	GOLETA	CA
HUVAR, CYRIL F JR	W6GBF	08318	*	1999	ALTURAS	CA
WARBURG, DONALD E	WA6HNC	27881		1999	UPLAND	CA
JONES, F BURTON	WB6JBH	23888		1999	SANTA BARBARA	CA
HILL, ALBERT F JR	W6JQB	02284		1999	REDLANDS	CA
HIRSCHER, D M	W6LF	03174	*	1999	MEADOW VISTA	CA
AARONIAN, AARON S	W6QKP	10545		1999	FRESNO	CA
GIES, DANIEL EDWARD	W6RZM	22507		1999	EL CAJON	CA
LETSINGER, PAUL R	W6SYL	11474		1999	SAN CARLOS	CA
STONER, DONALD L	W6TNS	22166	*	1999	CLEARWATER BEACH	FL
HELLER, MARV	W7EFL	16757		1999	SCPTTSDALE	AZ
WESTFALL, GENE A	K7EUA	19079		1999	SPOKANE	WA
BUTLER, CARL E	W7PRW	18271		1999	SEATTLE	WA
GEARHART, EDWIN E	W8BHE	09029		1999	COLUMBUS	OH
ROBERTS, ERNEST DEAN	K8GXV	19686		1999	BESSEMER	MI
SELLORS, JOHN JR	W8HLU	09847	*	1999	SARASOTA	FL
FREEDER, HERMAN	W8VQI	08156		1999	AKRON	OH
ROGERS, CHARLES	W8ZKX	12493	*	1999	FAIRLAWN	OH
HALEY, THOMAS R	K9GBU	22751		1999	SYEMOUR	IN
DINSMORE, RAYMOND	W9BYB	07062		1999	CLARE	IL
NOSKOWICZ, THEO S	W9EHS	08574	*	1999	NILES	IL
RUSS, WILLIAM E	W9REC	14961		1999	BERWYN	IL
HARNED, ROGER L	W9ZSW	16884		1999	WEST TERRE HAUTE	IN

QCWA GROWS UP FINANCIALLY

-by Arch Doty, Chairman Finance Committee

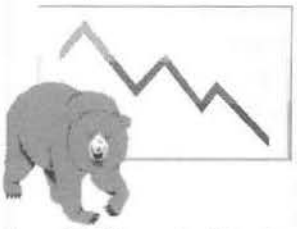
From a financial standpoint QCWA has "Grown like Topsy".

In its earlier years membership dues were the association's only major source of income. But, this was sufficient, as members were relatively few, operating costs were low, and the majority of income could be applied to scholarships - which were few, and were modest in value. When surplus money was available it was invested in secure, high interest paying bonds, or other fixed income securities.



In more recent decades QCWA has matured into a major international organization with multi-thousand members, and a major scholarship program. However, QCWA did not have any specific policy to guide it in the investment of its assets. Thus investments continued to be made in whatever bonds or equivalent would provide the highest rate of interest.

But, the assets of the Association were not insulated from the effects of the inflation that has burdened our country for many years. To explain: bonds provide excellent rates of interest, but the market value of a bond stays constant through the years. However, in the same time span the value of the dollar has constantly decreased as the result of inflation. For example, $ 100,000 in assets, if invested ten years ago in financially secure fixed income instruments, as bonds, would be worth less that $ 74,000 in today's dollars*.



Inflation has also had a detrimental effect on the value of the awards made under QCWA's Scholarship Program. For example, a $ 1,000 scholarship given in 1989 would buy $ 1,000 worth of books, etc, in that year. However, a $ 1,000 scholarship given in 1998 would only buy $ 740 worth of books, etc. today, as inflation has increased the cost of all goods and services.

The effect of inflation is masked in institutions such as QCWA by the regularly, yearly, inflow of dues and gifts. This influx of "new money" makes it appear that the Association's assets are increasing at a satisfactory rate. However, the real story is that the Associations invested assets have been decreasing in value.. It has been estimated that if QCWA had adopted an investment policy (calling for a balanced portfolio) ten years ago its total assets today would be far in excess of a million dollars (They are currently somewhat more than $ 650,000).

Last year QCWA's Finance Committee recognized the fact that our organization has reached a mature financial stature that made it prudent to develop formal investment guidelines". Thus the investment planning documents of a number of organizations generally similar to ours (ARRL, IEEE, NABER, etc.) were examined. Subsequently a set of "Investment Policy Guidelines" was developed, using the best parts of those tried and successful policies.

Several professional financial management companies (at no cost to QCWA) examined the draft of these guidelines. At the 1998 Annual meeting in Palm Springs the new Investment Policy Guidelines were formally adopted by the QCWA Board.

Because more than 95% of QCWA's Assets are invested in fixed income assets, as bonds, it will require a number of years - perhaps as long as 10 or 11 - until the desired portfolio, balanced between Stocks, Bonds and Cash, can be achieved without disrupting day-to-day operations or scholarship awards. However, the first steps have already been taken to modernize the Association's portfolio, and a smooth transition to a balanced portfolio of the type appropriate for the long term financial health of our organization is contemplated in the coming years.

Because of its length (four pages) the text of the "QCWA Investment Policy Guidelines" cannot be included here. However, any member wishing a copy can obtain one from Headquarters, from our Treasurer, Duke Knief, or from me.

**U.S. Department of Labor, Bureau of Labor Statistics, "Consumer Price Index-All Items"*

ANSWERS TO: ANOTHER QUIZ

On the left is Croft Taylor VE3CT, QCWA Vice President. The picture was taken 57 years ago at Radio Station CKWS in Kingston Ontario, where Croft was attending High School. In addition to working as a studio operator, Croft maintained the 49MHz audio link to Wolfe Island where the station's transmitters were located.

On the right is Joan Powell VE3ZC, who is now, Secretary/Treasurer of Chapter 70 in Ottawa Ontario. This picture was taken at Radio Station CFBC in Saint John New Brunswick when she was 18 years old. Both Croft and Joan worked at several radio stations during High School and University days.

Special Event Stations

Celebrating the 100th anniversary
of the
first practical wireless transmission in America

Provided by Bob Buus W2OD

QCWA Marconi Chapter #138
WA2GM (operating from the Twin Lights Lighthouse)
UTC 1300 Sept. 30, 1999
UTC 2100 Sept. 30, 1999
Celebrating the 100th Anniversary of first practical Wireless Transmission in America
3.875 - 7.235 - 14.240 - 21.325 MHz.
Certificate or QSL available
N4FS Mike B. Feher
89 Arnold Blvd.
Howell, New Jersey 07731

Wall Township, NJ
Ocean / Monmouth Amateur Radio Club
N2MO (operating from the old Marconi Hotel)
UTC 1300 Oct. 3, 1999
UTC 2100 Oct. 9, 1999
Celebrating the Marconi Test Facility in Wall Township, NJ
3.875 - 7.235 - 14.240 - 21.325 MHz.
Certificate or QSL available
QSL via OMARC
P. O. Box 267
Oakhurst, New Jersey 07755

Atlantic Highlands, NJ
Garden State Amateur Radio Association
W2GSA (operating from the Twin Lights Lighthouse)
UTC 1300 Oct. 13, 1999
UTC 2100 Oct. 17, 1999
Celebrating the 1st Practical use of a wireless transmission
3.875 - 7.235 - 14.240 - 21.325 MHz.
Certificate or QSL available
Garden State Amateur Radio Association
PO Box 34
Fair Haven, NJ 07704

Atlantic Highlands NJ
QCWA Marconi Chapter #138
WA2GM (operating from the Twin Lights Lighthouse)
UTC 1300 Oct. 20, 1999
UTC 2100 Oct. 24, 1999
Celebrating the 100th Anniversary of NY Yacht Race Transmission from New York Harbor
3.875 - 7.235 - 14.240 - 21.325 MHz.
Certificate or QSL available
N4FS Mike B. Feher
89 Arnold Blvd.
Howell, New Jersey 0773

New York Harbor NY
Garden State Amateur Radio Association
W2OD (operating from somewhere in the New York Harbor)
UTC 1400 Oct. 16, 1999
UTC 1400 Oct. 17, 1999
Simulated Spark Gap Transmission from a ship at sea.
3.875 - 7.235 - 14.240 - 21.325 MHz.
Certificate or QSL available
W2OD Bob Buus
8 Donner Street
Holmdel, NJ 07733

Member Classified

SEARCHING: Rebuilding my vintage station from the ground up and would like to find several Collins tube era radios (e.g. KW1, 75A?/32V?, KWM2A, USNavy Surplus, etc.). Also looking for baudot crypto gear (WW2 - Vietnam era), a NOS M28 engine, and the SX-88. Email: w5jv@amsat.org; Doug Hensley, 5678 College Drive, Baton Rouge, LA. 70806-7217. (225) 928-2559

WANTED: Hammarlund HC-10 SSB converter. Bill Mills, 188 Ellis Mill Road, NE, Milledgeville, GA 31061-9020, Ph: (912)452-2957 or e-mail: wmills@gmc.cc.ga.us.

SELL: New Johnson Whiploader $40. Large quantity of transistors, capacitors, diodes, resistors, etc. Details SASE. Tom Webb W4YOK 3533 Teakwood Lane, Plano, TX 75075

WANTED: Mosley CM-1, Heathkit AR-30, Ten-Tec 315, RX-10, GE-371, Hallicrafters CR-3000. Herman Schnur 3205 Brick Kiln Rd., Greenville NC 27858 Ph: (252)752-2264

WANTED: Info on National AGS power supply. Vibroplex Zephyr Bug (3" base). Collins goods. Signal Magazines. KN9VKY QSL. Brian Roberts K9VKY 130 Tara Dr., Fombell PA 16123. Ph: (724) 758-2688

FOR SALE: 1.5 kW linear 8874s designed/built by former Western Electric SSB engineer, photos, local pickup. Sacrifice $600. Walt Grosselfinger W2ATQ.

LISTS: New updated book list, on radio, electronics, electricity and miscellaneous, many collectibles. Send SASE for list to: Chuck W6IEG, PO Box 1244, Oakhurst CA 93644.

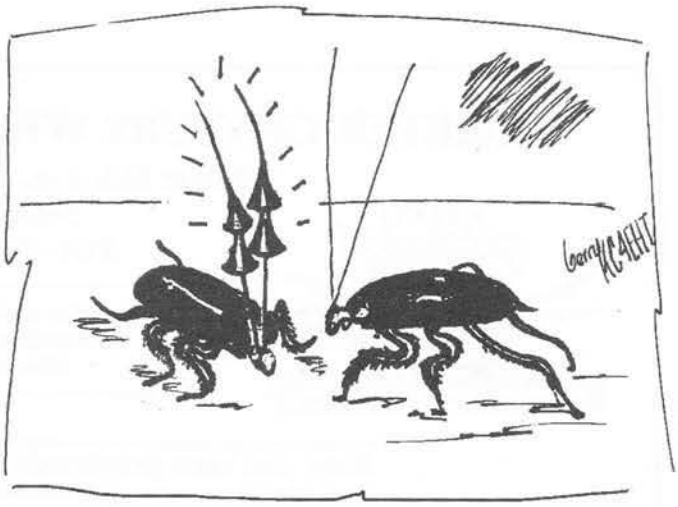
WANTED: Heath HM-102 SWR meter. Need plate volts/grid mils meter for heath HL-2200 amp or info. Richard Scott W8FDN, 371 Claymore Blvd., Cleveland OH 44143. Ph: (216) 531-9160

WANTED: Collins microphones SM-1, 2, or 3, KWM-2, Military gear (WWI to present), National NC-400; Drake DSR-2, R7; Hallicrafters SX-88, SX-73, SX-115; Steve K6PFW, 848 N. Silverwood, Upland CA 91786. Ph: (909) 985-1062. e-mail: wsbarnes@eee.org

WANTED: Narrow based Vibroplex Bug (3 inches or less). McElroy Bug. Early Collins goods. Signal Magazines. B&W JEL coils. Brian Roberts K9VKY 130 Tara Dr., Fombell PA 16123. Ph: (724) 758-2688

Please send classified ads to QCWA Journal, 672 Indian River Dr., Melobourne, FL 32935 to arrive no later than 1 month prior to publication date. Ads may also be faxed to 800-421-3279 or e-mailed to gwentz@digital.net

Kindly limit ads to 25 words. Words are counted as follows: WANTED, FOR SALE, FREE, etc count as 1 word; your address counts as 6 words.



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This form for use by all U.S. applicants for membership in QCWA. Effective 4/1/96

For Office Use Only

Membership No. _____

Date _____

First Licensed, Year _____

Deposit Record _____

Have you been previously enrolled in QCWA? ____

I,_____ , _____
(Please Print Name Clearly) Present Callsign

having been licensed as an amateur 25 or more years ago and presently holding the call listed above (it is not necessary to have been licensed the entire 25 years) hereby apply for membership in QCWA. I understand that proof of the original date of licensing is required. My complete mailing address is:

_____
Street Address City State Zip

I will keep QCWA Headquarters advised of changes in my address and/or callsign. My first amateur license was issued_____ Other calls held_____
I wish to become affiliated with QCWA Chapter_____
Date of birth_____ Birthplace_____
Present occupation/business _____
If retired, what was major life work? _____
Other organizations you belong to_____
Your signature_____

SCHEDULE OF MEMBERSHIP FEES

Select one of the following plans

	Members	**Family**	
QCWA dues for a one-year period	$20		_____
QCWA dues for a two-year period	$35		_____
QCWA dues for a three-year period	$50	$12	_____
QCWA life membership	$300	$90	_____
Payable in 3 equal installments of $105 each, in a one-year period	$315	$105 (3 payments of $35)	_____

Initial registration fee, all new members - $3 _____

Gold membership pins are available, your call engraved, no year tags. Check type of fastener.
Tie tack ____, Screw button _____, Safety pin ____, - - - - - - - - - - - - - - - - - $10 each _____
Year tag pins - 25, 30, 35, 40, 45, 50, 55, 60, 65, 70 or 75 (tie-tac only) - $15 each _____

Total _____

Proposed by _____, **Callsign** _____, **No.** _____

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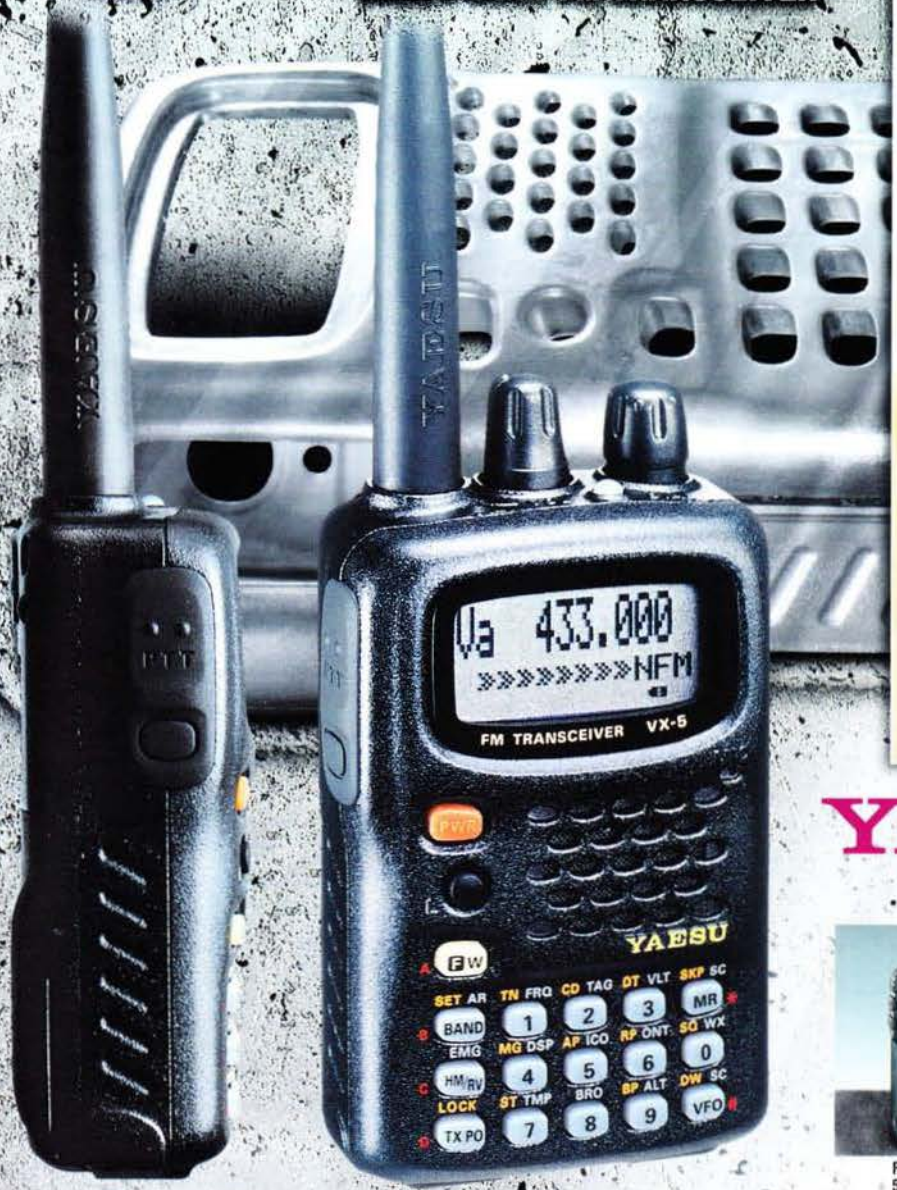

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  430-450 MHz
- 5 W Power Output (430 MHz: 4.5 W)
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- AM Aircraft Receive
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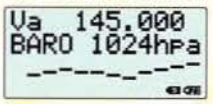

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